

Result No.	Score	Query		DB	ID	Description
		Match	Length			
1	592.5	47.3	2465	2	US-08-596-291-3	Sequence 3, Appli
2	592.5	47.3	2465	3	US-09-100-804-3	Sequence 3, Appli
3	592.5	47.3	2466	3	US-09-080-855-12	Sequence 12, Appli
4	592.5	47.3	2466	4	US-09-566-076-12	Sequence 12, Appli
5	592.5	47.3	2466	5	PCF-US94-09943-2	Sequence 2, Appli
6	592.5	47.3	2465	4	US-09-290-640-46	Sequence 46, Appli
7	592.5	47.3	2485	4	US-09-665-615B-46	Sequence 46, Appli
8	499	39.8	513	4	US-09-848-294-2	Sequence 2, Appli
9	494	39.4	244	4	US-08-446-294-7	Sequence 7, Appli
10	489	39.0	231	2	US-08-446-345-37	Sequence 37, Appli
11	487	38.9	242	2	US-08-685-992-21	Sequence 21, Appli
12	487	38.9	242	2	US-09-144-925-21	Sequence 21, Appli
13	483.5	38.6	1911	1	US-08-348-008B-5	Sequence 5, Appli
14	483.5	38.6	1911	2	US-08-800-825A-5	Sequence 5, Appli
15	483.5	38.6	1911	3	US-09-158-657-5	Sequence 5, Appli
16	483.5	38.6	1911	5	PCF-US94-10166-5	Sequence 5, Appli
17	476.5	38.0	278	1	US-08-201-697-16	Sequence 16, Appli
18	475	37.9	1337	3	US-08-854-585-2	Sequence 2, Appli
19	475	37.9	1337	4	US-09-447-533-2	Sequence 2, Appli
20	475	37.9	1337	5	PCF-US95-05512-2	Sequence 2, Appli
21	474.5	37.9	1501	2	US-08-447-464-3	Sequence 3, Appli
22	474.5	37.9	1501	2	US-08-716-679-3	Sequence 3, Appli
23	469.5	37.5	1903	4	US-09-949-016-8049	Sequence 8049, Ap
24	469.5	37.5	1997	4	US-09-949-016-6275	Sequence 6275, Ap
25	468	37.4	1457	2	US-08-652-971-3	Sequence 3, Appli
26	468	37.4	1457	2	US-08-449-644-1	Sequence 1, Appli
27	468	37.4	1457	2	US-08-087-244A-1	Sequence 1, Appli

APPLICANT: Aspenstrm, Pontus
APPLICANT: Hellman, Ulf
APPLICANT: Genez, Leonel Jorge
APPLICANT: Heldin, Carl-Henrik
TITLE OF INVENTION: PARG, A GTPASE ACTIVATING PROTEIN WHICH INTERACTS WITH PTPL1
FILE REFERENCE: L0461/7030
CURRENT APPLICATION NUMBER: US/09/566,076
CURRENT FILING DATE:
EARLIER APPLICATION NUMBER: 09/080,855
EARLIER FILING DATE: 1998-05-18
NUMBER OF SEQ ID NOS: 39
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 12
LENGTH: 2466
TYPE: PRT
ORGANISM: Homo sapiens
US-09-566-076-12

Query Match 47.3%; Score 592.5; DB 4; Length 2466;
Best Local Similarity 47.6%; Pred. No. 1.3e-60;
Matches 111; Conservative 41; Mismatches 80; Indels 1; Gaps 1;

Qy 1 QNRDKRYRDLIPYDSTRVPLGKNDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
Db 2217 ENRRKNRYKNILPYDATRVPLGDEGGYINASFIKIPVKEEFVYIACQGPLTTVGDFWQ 2276
Qy 61 MVLNNCNVIAITREIECGVIKCYSWPISL-KEPLEFEHFSVPLETFHVTQYFTVRVF 119
Db 2277 MIWEQKSTVIAMTQVEGEKIKQRYWPNILGKTTWVSNRLRALVRMQLKGFVVRAM 2336
Qy 120 QIVKSTGKSCVHLOFTKWPDHGTPASADFFIKYVYVRKSHITGPLLHVCAGVGR 179
Db 2337 TLEDIQTREVRHISHLNFTAMPDHTPSQPDLLTFISYMRHHRSGPIITHCSAGIGRS 2396
Qy 180 GVFCIDVWFSAEIKNSYSDIMNIVTOMRKQRCMIOTKEQYQFCYEVILVVL 232
Db 2397 GTLICIDVVLGLISQDLDFDISDLVRCMLRQHGHWQTEDQYIFCYQVILVVL 2449

RESULT 5
PCT-US94-09943-2
Sequence 2, Application PC/TUS9409943
GENERAL INFORMATION:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: PRIMARY STRUCTURE AND FUNCTIONAL
TITLE OF INVENTION: EXPRESSION OF NUCLEOTIDE SEQUENCES FOR NOVEL PROTEIN
TITLE OF INVENTION: TYROSINE PHOSPHATASES
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESSES:
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/09943
FILING DATE: 01-SEP-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/115,573
FILING DATE: 01-SEP-1993
ATTORNEY/AGENT INFORMATION:
NAME: TWOMEY, MICHAEL J.
REGISTRATION NUMBER: P-38,349
REFERENCE/DOCKET NUMBER: L0461/7000WO

TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
TELEX: 92-1742 EZEKIEL
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2466 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US94-09943-2

Query Match 47.3%; Score 592.5; DB 5; Length 2466;
Best Local Similarity 47.6%; Pred. No. 1.3e-60;
Matches 111; Conservative 41; Mismatches 80; Indels 1; Gaps 1;

Qy 1 QNRDKRYRDLIPYDSTRVPLGKNDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
Db 2217 ENRRKNRYKNILPYDATRVPLGDEGGYINASFIKIPVKEEFVYIACQGPLTTVGDFWQ 2276
Qy 61 MVLNNCNVIAITREIECGVIKCYSWPISL-KEPLEFEHFSVPLETFHVTQYFTVRVF 119
Db 2277 MIWEQKSTVIAMTQVEGEKIKQRYWPNILGKTTWVSNRLRALVRMQLKGFVVRAM 2336
Qy 120 QIVKSTGKSCVHLOFTKWPDHGTPASADFFIKYVYVRKSHITGPLLHVCAGVGR 179
Db 2337 TLEDIQTREVRHISHLNFTAMPDHTPSQPDLLTFISYMRHHRSGPIITHCSAGIGRS 2396
Qy 180 GVFCIDVWFSAEIKNSYSDIMNIVTOMRKQRCMIOTKEQYQFCYEVILVVL 232
Db 2397 GTLICIDVVLGLISQDLDFDISDLVRCMLRQHGHWQTEDQYIFCYQVILVVL 2449

RESULT 6
US-09-290-640-46
Sequence 46, Application US/09290640
Patent No. 6204055
GENERAL INFORMATION:
APPLICANT: Dean, Nicholas M.
APPLICANT: Marcusson, Eric G.
TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
FILE REFERENCE: ISPH-0351
CURRENT APPLICATION NUMBER: US/09/290,640
CURRENT FILING DATE: 1999-04-12
NUMBER OF SEQ ID NOS: 85
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 46
LENGTH: 2485
TYPE: PRT
ORGANISM: Homo sapiens
US-09-290-640-46

Query Match 47.3%; Score 592.5; DB 3; Length 2485;
Best Local Similarity 47.6%; Pred. No. 1.3e-60;
Matches 111; Conservative 41; Mismatches 80; Indels 1; Gaps 1;

Qy 1 QNRDKRYRDLIPYDSTRVPLGKNDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
Db 2236 ENRRKNRYKNILPYDATRVPLGDEGGYINASFIKIPVKEEFVYIACQGPLTTVGDFWQ 2295
Qy 61 MVLNNCNVIAITREIECGVIKCYSWPISL-KEPLEFEHFSVPLETFHVTQYFTVRVF 119
Db 2296 MIWEQKSTVIAMTQVEGEKIKQRYWPNILGKTTWVSNRLRALVRMQLKGFVVRAM 2355
Qy 120 QIVKSTGKSCVHLOFTKWPDHGTPASADFFIKYVYVRKSHITGPLLHVCAGVGR 179
Db 2356 TLEDIQTREVRHISHLNFTAMPDHTPSQPDLLTFISYMRHHRSGPIITHCSAGIGRS 2415
Qy 180 GVFCIDVWFSAEIKNSYSDIMNIVTOMRKQRCMIOTKEQYQFCYEVILVVL 232
Db 2416 GTLICIDVVLGLISQDLDFDISDLVRCMLRQHGHWQTEDQYIFCYQVILVVL 2468

RESULT 7
US-09-665-615B-46
; Sequence 46, Application US/09665615B
; Patent No. 6653133
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcussen, Eric G.
; APPLICANT: Wyatt, Jacqueline
; TITLE OF INVENTION: Antisense Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-0502
; CURRENT APPLICATION NUMBER: US/09/665,615B
; CURRENT FILING DATE: 2000-09-18
; PRIOR FILING DATE: US 09/290,640
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 179
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 46
; LENGTH: 2485
; TYPE: PRT
; ORGANISM: Homo sapiens
; ORGANISM: Homo sapiens
US-09-665-615B-46

Query Match 47.3%; Score 592.5; DB 4; Length 2485;
Best Local Similarity 47.6%; Pred. No. 1.3e-60;
Matches 111; Conservative 41; Mismatches 80; Indels 1; Gaps 1;
QY 1 QNRDKNRYRDILPYDSTRVPLGKNKDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
DB 2236 ENRRKNRYKNILPYDATRVPLGDEGGYINASFIPVKGEEFYIACQGPLPTVGGDFWQ 2295
QY 61 MVLNENNCNVIAMITREIECGVIKCYSWPISL-KEPLEFEHFSVLETFHTVTFVRF 119
DB 2296 MIWEQSTVIAMTQVEGEKIKORWPNILGKTWVSNRLRLALVRMQLKGFVRAM 2355
QY 120 QIVKSTGKSCQVHLQFTKWPDHGTTPASADFFIKYVYVRKSHITGPLLHVSAGVGT 179
DB 2356 TLEDIQTREVRHISHLNFTAWPDHDTSPQDPLLTFTISYMRHHRSGPFIITHCSAGIGRS 2415
QY 180 GVFLCVDVVFSAIEKNYSFDIMNIVTQMRKQRCMIOTKEQYQFCYEVILEVL 232
DB 2416 GTLICIDVVLGLISQDLDFDISDLVRMLQRHGMVQTEDQYIFCYQVILYVL 2468

RESULT 8
US-09-848-294-2
; Sequence 2, Application US/09848294
; Patent No. 6479640
; GENERAL INFORMATION:
; APPLICANT: Tonks, Nicholas K.
; TITLE OF INVENTION: Isolation of A cDNA Encoding A No. 6479640el
; TITLE OF INVENTION: Protein Tyrosine Phosphatase Which Localizes to Focal
; TITLE OF INVENTION: Adhesions and Uses Therefor
; FILE REFERENCE: CSHL90-04FZA
; CURRENT APPLICATION NUMBER: US/09/848,294
; CURRENT FILING DATE: 2001-05-03
; PRIOR APPLICATION NUMBER: 09/235,251
; PRIOR FILING DATE: 1999-01-22
; PRIOR APPLICATION NUMBER: 08/759,536
; PRIOR FILING DATE: 1996-12-04
; PRIOR APPLICATION NUMBER: 08/107,420
; PRIOR FILING DATE: 1993-08-16
; PRIOR APPLICATION NUMBER: 07/663,579
; PRIOR FILING DATE: 1991-03-01
; PRIOR APPLICATION NUMBER: 07/494,036
; PRIOR FILING DATE: 1990-03-14
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 913
; TYPE: PRT
; ORGANISM: Homosapiens
US-09-848-294-2

Query Match 39.8%; Score 499; DB 4; Length 913;
Best Local Similarity 42.0%; Pred. No. 4e-50;
Matches 102; Conservative 38; Mismatches 85; Indels 18; Gaps 5;
QY 1 QNRDKNRYRDILPYDSTRVPLGKNKDYINASYI-----RIVNHEEYFYIATQGPLPE 53
DB 669 QNLDRKNRYKDVLPYDTTRVLQGNEDYINASYVNMIEIPAANLVNK-----YIATQGPLPH 723
QY 54 TIEDFWQVLENNCNVIAITREIECGVIKCYSWPISLKEPLEFEH--FSVLETFHTV 111
DB 724 TCAQFWQVVDQKLSLIVMLTTLTERGRTKCHQYWP---DPPDVMNHGGFHIQCCSEDC 780
QY 112 QYFTVRVFIQVVKSTGKSCQVHLQFTKWPDHGTTPASADFFIKYVYVRKSHI-TGPLLV 170
DB 781 IAVSREMLVTNTQTGEHTVTHLQYVAVPDHGIPTDSSDFLEFVYVRSRLRVDSEPLV 840
QY 171 HCSAGVGTGVFCVDVVFSAIEKNYSFDIMNIVTQMRKQRCMIOTKEQYQFCYEVILE 230
DB 841 HCSAGIGRTGVLVTMETAMCLTERNLPYPLDILVRKQDORAMMVQTISSQYKFCVCEAILR 900
QY 231 VLQ 233
DB 901 VYE 903

RESULT 9
US-09-848-294-7
; Sequence 7, Application US/09848294
; Patent No. 6479640
; GENERAL INFORMATION:
; APPLICANT: Tonks, Nicholas K.
; TITLE OF INVENTION: Isolation of A cDNA Encoding A No. 6479640el
; TITLE OF INVENTION: Protein Tyrosine Phosphatase Which Localizes to Focal
; TITLE OF INVENTION: Adhesions and Uses Therefor
; FILE REFERENCE: CSHL90-04FZA
; CURRENT APPLICATION NUMBER: US/09/848,294
; CURRENT FILING DATE: 2001-05-03
; PRIOR APPLICATION NUMBER: 09/235,251
; PRIOR FILING DATE: 1999-01-22
; PRIOR APPLICATION NUMBER: 08/759,536
; PRIOR FILING DATE: 1996-12-04
; PRIOR APPLICATION NUMBER: 08/107,420
; PRIOR FILING DATE: 1993-08-16
; PRIOR APPLICATION NUMBER: 07/663,579
; PRIOR FILING DATE: 1991-03-01
; PRIOR APPLICATION NUMBER: 07/494,036
; PRIOR FILING DATE: 1990-03-14
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 244
; TYPE: PRT
; ORGANISM: Homosapiens
US-09-848-294-7

Query Match 39.4%; Score 494; DB 4; Length 244;
Best Local Similarity 41.7%; Pred. No. 2.3e-50;
Matches 101; Conservative 38; Mismatches 85; Indels 18; Gaps 5;
QY 2 NRDKNRYRDILPYDSTRVPLGKNKDYINASYI-----RIVNHEEYFYIATQGPLPET 54
DB 1 NLDKNRYKDVLPYDTTRVLQGNEDYINASYVNMIEIPAANLVNK-----YIATQGPLPH 55
QY 55 IEDFWQVLENNCNVIAITREIECGVIKCYSWPISLKEPLEFEH--FSVLETFHTV 112
DB 56 CAQFWQVVDQKLSLIVMLTTLTERGRTKCHQYWP---DPPDVMNHGGFHIQCCSEDC 112
QY 113 YFTVRVFIQVVKSTGKSCQVHLQFTKWPDHGTTPASADFFIKYVYVRKSHI-TGPLLV 171
DB 113 AYVSREMLVTNTQTGEHTVTHLQYVAVPDHGIPTDSSDFLEFVYVRSRLRVDSEPLV 172
QY 172 CSAGVGTGVFCVDVVFSAIEKNYSFDIMNIVTQMRKQRCMIOTKEQYQFCYEVILEV 231

Db 173 CSAGIGRTGVLVTMETAMCLTERNLPIYPLDIVRKRDRORAMVQTSQYKFCVCEAILRV 232

Qy 232 LQ 233

Db 233 YE 234

RESULT 10

US-08-446-345-37

; Sequence 37, Application US/08446345

; Patent No. 5831009

; GENERAL INFORMATION:

; APPLICANT: Ullrich, Axel

; APPLICANT: Moller, Niels P.H.

; APPLICANT: Moller, Karin B.

; TITLE OF INVENTION: NOVEL PROTEIN PHOSPHOTYROSINE

; TITLE OF INVENTION: PHOSPHATASES PTP-D1

; NUMBER OF SEQUENCES: 41

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie & Edmonds

; STREET: 1155 Avenue of the Americas

; CITY: New York

; STATE: N.Y.

; COUNTRY: U.S.A.

; ZIP: 10036-2711

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/446,345

; FILING DATE: 22-MAY-1995

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/234,440

; FILING DATE: 28-APR-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Coruzzi, Laura A.

; REGISTRATION NUMBER: 30742

; REFERENCE/DOCKET NUMBER: 7683-054

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 790-9090

; TELEFAX: (212) 869-8864

; TELEX: 66141 PENNIE

; INFORMATION FOR SEQ ID NO: 37:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 231 amino acids

; TYPE: amino acid

; STRANDEDNESS: unknown

; TOPOLOGY: unknown

; MOLECULE TYPE: protein

US-08-446-345-37

Query Match 39.0%; Score 489; DB 2; Length 231;

Best Local Similarity 42.0%; Pred. No. 8.4e-50;

Matches 100; Conservative 37; Mismatches 83; Indels 18; Gaps 5;

Qy 2 NRDKRYRDLIPYDSTRVPLGKNDYINASYI-----RIVNHEEYFYIATQGLPET 54

Db 1 NLDKNRYKDVLPYDTRVLLQGNEDYINASYVNMIEIPAANLVNK-----YIATQGLPHT 55

Qy 55 IEDFWQWVLENNCNVIAITREICGVKCYSPISLKEPLFEH--FSVFLTEHTVQ 112

Db 56 CAQFWQWVMDQKLSLIVMLTLTTRGRTKCHQWP----DPPDVNHHGFGHQCSEDCIT 112

Qy 113 YFTVRVQIVKSTGKSCQVHLQFTKWPDPHGTPASADFFIKYVRYVRKSHI--TGPLVH 171

Db 113 AVVSREMLVNTQTGEEHTVTHLYQVAVPDHGIPTDSSDFLEFVYVYRSLRVDSEPLVH 172

Qy 172 CSAGVGRGVFIQVVDVFSALIEKNYSFDIMNIVTQMRKQRCGMIQTKEQYQFCYVEI 229

Db 173 CSAGIGRTGVLVTMETAMCLTERNLPIYPLDIVRKRDRORAMVQTSQYKFCVCEAIL 230

RESULT 11

US-08-685-992-21

; Sequence 21, Application US/08685992

; Patent No. 5912138

; GENERAL INFORMATION:

; APPLICANT: Tonks, Nicholas

; APPLICANT: Flint, Andrew J.

; TITLE OF INVENTION: SUBSTRATE TRAPPING PROTEIN

; TITLE OF INVENTION: TYROSINE PHOSPHATASES

; NUMBER OF SEQUENCES: 36

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

; STREET: Two Militia Drive

; CITY: Lexington

; STATE: MA

; COUNTRY: USA

; ZIP: 02173

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: Windows 95

; SOFTWARE: FastSeq for Windows Version 2.0b

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/685,992

; FILING DATE: 25-JUL-1996

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Granahan, Patricia

; REGISTRATION NUMBER: 32,227

; REFERENCE/DOCKET NUMBER: CSHL96-03

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 781-861-6240

; TELEFAX: 781-861-9540

; TELEX:

; INFORMATION FOR SEQ ID NO: 21:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 242 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

US-08-685-992-21

Query Match 38.9%; Score 487; DB 2; Length 242;

Best Local Similarity 41.8%; Pred. No. 1.6e-49;

Matches 102; Conservative 37; Mismatches 79; Indels 26; Gaps 7;

Qy 1 QNRDKRYRDLIPYDSTRVPLGKNDYINASYI-----RIVNHEEYFYIATQGLPE 53

Db 11 QNLDKNRYKDVLPYDTRVLLQGNEDYINASYVNMIEIPAANLVNK-----YIATQGLPH 65

Qy 54 TIEDFWQWVLENNCNVIAITREICGVKCYSPISLKEPLFEHFSVFLTEHVV--- 110

Db 66 TCAQFWQWVMDQKLSLIVMLTLTTRGRTKCHQWP----DPPDVNHHG-----FHIQCQ 117

Qy 111 TQYFTVRVQ--IVKSTGKSCQVHLQFTKWPDPHGTPASADFFIKYVRYVRKSHI--TGP 167

Db 118 SEDCTIAVVSMLVNTQTGEEHTVTHLYQVAVPDHGIPTDSSDFLEFVYVYRSLRVDSEP 177

Qy 168 LLVHCSAGVGRGVFIQVVDVFSALIEKNYSFDIMNIVTQMRKQRCGMIQTKEQYQFCYVEI 227

Db 178 VLHCSAGIGRTGVLVTMETAMCLTERNLPIYPLDIVRKRDRORAMVQTSQYKFCVCEA 237

Qy 228 VLEV 231

Db 238 ILRV 241

RESULT 12

US-09-144-925-21
 ; Sequence 21, Application US/09144925
 ; Patent No. 5951979
 ; GENERAL INFORMATION:
 ; APPLICANT: Tonks, Nicholas
 ; APPLICANT: Flint, Andrew J.
 ; TITLE OF INVENTION: SUBSTRATE TRAPPING PROTEIN
 ; TITLE OF INVENTION: TYROSINE PHOSPHATASES
 ; NUMBER OF SEQUENCES: 36
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
 ; STREET: Two Militia Drive
 ; CITY: Lexington
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02421-4799
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: Windows 95
 ; SOFTWARE: FastSeq for Windows Version 2.0b
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/144,925
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/685,992
 ; FILING DATE: July 25, 1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Granahan, Patricia
 ; REGISTRATION NUMBER: 32,227
 ; REFERENCE/DOCKET NUMBER: CSHL96-03Z
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 781-861-6240
 ; TELEFAX: 781-861-9540
 ; TELEX:
 ; INFORMATION FOR SEQ ID NO: 21:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 242 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; US-09-144-925-21

Query Match 38.9%; Score 487; DB 2; Length 242;
 Best Local Similarity 41.8%; Pred. No. 1.6e-49;
 Matches 102; Conservative 37; Mismatches 79; Indels 26; Gaps 7;
 Qy 1 QNRDKNRYDILPYDSTRVPLGKKNQYINASYI-----RIVNHEEYFYIATQGPLPE 53
 Db 11 QNLDKNRYKQVLPYDTRVLQGNEDYINASYVNNMIPAANLVNK-----YIATQGPLPH 65
 Qy 54 TIEDFWQVLNENCNVAMITREIECGVIKCYWPISLKEPLFEHFSVLETFHV--- 110
 Db 66 TCAQFWQVQWQKLSLIVMLTTLERGTCKQYWP---DPPDVNHHG-----FHIQCC 117
 Qy 111 TOYFTVRVQ--IVKSTGKSCQVKHLQFTKWPDPHGTPASADFIKIVRYVRKSHI-TGP 167
 Db 118 SEDCTIAYVSLMVTNTQTGEEHTVTHLQYVAMPDPHGIPDDSSDFLEFNVYVRSRVDSEP 177
 Qy 168 LLVHCSAGVGTGVPICVDVVFSAIEKNYSFDINNIVTQMKQKRCGMQTKQEQYQFCVEI 227
 Db 178 VLVHCSAGIGRTGLVLTMTACLTNRLPIYPLDIVKMRDQRAMVQTSQYKFCVCEA 237
 Qy 228 VLEV 231
 Db 238 ILRV 241

RESULT 13

US-08-348-006B-5

; Sequence 5, Application US/08348006B
 ; Patent No. 5658756
 ; GENERAL INFORMATION:
 ; APPLICANT: RODAN, GIDEON A.
 ; APPLICANT: SCHMIDT, AZRIEL
 ; TITLE OF INVENTION: CDNA ENCODING A NOVEL HUMAN PROTEIN
 ; TITLE OF INVENTION: TYROSINE PHOSPHATASE
 ; NUMBER OF SEQUENCES: 7
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: J. MARK HAND
 ; STREET: 126 E. LINCOLN AVE., P.O. BOX 2000
 ; CITY: RAHWAY
 ; STATE: NEW JERSEY
 ; COUNTRY: USA
 ; ZIP: 07065-0900
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/348,006B
 ; FILING DATE:
 ; CLASSIFICATION: 514
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/122,032
 ; FILING DATE: 14-SEP-1993
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: HAND, J., MARK
 ; REGISTRATION NUMBER: 36,545
 ; REFERENCE/DOCKET NUMBER: 189921A
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 908-594-3905
 ; TELEFAX: 908-594-4720
 ; INFORMATION FOR SEQ ID NO: 5:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1911 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-348-006B-5

Query Match 38.6%; Score 483.5; DB 1; Length 1911;
 Best Local Similarity 42.0%; Pred. No. 8.3e-48;
 Matches 100; Conservative 44; Mismatches 79; Indels 15; Gaps 6;
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 Db 1671 KNLVNTIMPYESTRVCLQPIRGVSGSVINASFID--GYRQKAYIATQGPLAETTEDFW 1728
 Qy 60 QMVLNENCNVAMITREIECGVIKCYWPISLKEPLFEHFSVP-LETFHVTOYFTVRV 118
 Db 1729 RMLWENNSTIVMLTKLREMGREKCHQYWP--AERSARYQYFVVDPMAYNNPQI-LRE 1785
 Qy 119 FOIVKSTGKSCQVKHLQFTKWPDPHGTPASADFIKIVRYVRKSH-----ITGPLLVHCSA 174
 Db 1786 FKVTARDGQSRVTRQFTDTPWQGVKSGEGFIDFVGQVHKTKEQFGQDGPISVHCSA 1845
 Qy 175 GVGRTGVFCVDVVFSAIEKNYSFDINNIVTQMKQKRCGMQTKQEQYQFCVEI 232
 Db 1846 GVGRTGVFTLSIVLERMYRVEGVVDIFQTVKMLATQRPAMVQTEDEYQFCYQAALEYL 1903

RESULT 14

US-08-800-825A-5
 ; Sequence 5, Application US/08800825A
 ; Patent No. 5866397
 ; GENERAL INFORMATION:
 ; APPLICANT: RODAN, GIDEON A.
 ; APPLICANT: SCHMIDT, AZRIEL
 ; APPLICANT: RUTLEDGE, SU JANE

;; TITLE OF INVENTION: CDNA ENCODING A NOVEL HUMAN PROTEIN
;; NUMBER OF INVENTIONS: 7
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: J. MARK HAND - MERCK & CO., INC.
;; STREET: 126 E. LINCOLN AVE., P.O. BOX 2000
;; CITY: RAHWAY
;; STATE: NEW JERSEY
;; COUNTRY: USA
;; ZIP: 07065-0900
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/800,825A
;; FILING DATE: 14-FEB-1997
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: HAND, J. MARK
;; REGISTRATION NUMBER: 36,545
;; REFERENCE/DOCKET NUMBER: 18992DA
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 732-594-3905
;; TELEFAX: 732-594-4720
;; INFORMATION FOR SEQ ID NO: 5:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 1911 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; US-08-800-825A-5

Query Match 38.6%; Score 483.5; DB 2; Length 1911;
Best Local Similarity 42.0%; Pred. No. 8.3e-48;
Matches 100; Conservative 44; Mismatches 79; Indels 15; Gaps 6;
Qy 5 KNYRDILPYDSTRVPLG-----KNKDYINASYIRIVNHEEYFYIATQGPLPETIEDFW 59
Db 1671 KNLVLNIMPYESTRVCLQPIRGVSGSYINASFID--GYROQKAYIATQGPLATTEDFW 1728
Qy 60 QMVLNNCNVMIATRIEIEGVIKCYSWPISLKEPLEFHFVSF-LETFHVTQYFTVRV 118
Db 1729 RMLWENNSTIVMLTKLREMGREKCHQWP--AERSARYQYFVVDPMAYNMPQYI-LRE 1785
Qy 119 PQIVKKSSTGSKQCVKHLQFTKWDHGTGPASADPFKIVRYVRKSH-----ITGPLLVHCSA 174
Db 1786 FKVTDARDGQSRTVRQFTDWPQGVKSGEGFIDFQVHKTKQFGQDGPISVHCSA 1845
Qy 175 GVGRGTGVFICVDVVFSAIEKNYSFDIMNIVTQMRKQRCGMQTKQEQYCFYEVILEVL 232
Db 1846 GVGRGTGVFTLSIVLERMYRGVVDIFQTVKMLRTQRPAMVQTEDEYQFCYQAALEYL 1903

RESULT 15

US-09-158-657-5
;; Sequence 5, Application US/09158657
;; Patent No. 6214564
;; GENERAL INFORMATION:
;; APPLICANT: RODAN, GIDRON A.
;; APPLICANT: SCHMIDT, AZRIEL
;; APPLICANT: RUTLEDGE, SU JANE
;; TITLE OF INVENTION: CDNA ENCODING A NOVEL HUMAN PROTEIN
;; NUMBER OF SEQUENCES: 7
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: J. MARK HAND - MERCK & CO., INC.
;; STREET: 126 E. LINCOLN AVE., P.O. BOX 2000
;; CITY: RAHWAY
;; STATE: NEW JERSEY
;; COUNTRY: USA

;; ZIP: 07065-0900
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/158,657
;; FILING DATE:
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/800,825
;; FILING DATE: 14-FEB-1997
;; ATTORNEY/AGENT INFORMATION:
;; NAME: HAND, J. MARK
;; REGISTRATION NUMBER: 36,545
;; REFERENCE/DOCKET NUMBER: 18992DA
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 732-594-3905
;; TELEFAX: 732-594-4720
;; INFORMATION FOR SEQ ID NO: 5:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 1911 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; US-09-158-657-5

Query Match 38.6%; Score 483.5; DB 3; Length 1911;
Best Local Similarity 42.0%; Pred. No. 8.3e-48;
Matches 100; Conservative 44; Mismatches 79; Indels 15; Gaps 6;
Qy 5 KNYRDILPYDSTRVPLG-----KNKDYINASYIRIVNHEEYFYIATQGPLPETIEDFW 59
Db 1671 KNLVLNIMPYESTRVCLQPIRGVSGSYINASFID--GYROQKAYIATQGPLATTEDFW 1728
Qy 60 QMVLNNCNVMIATRIEIEGVIKCYSWPISLKEPLEFHFVSF-LETFHVTQYFTVRV 118
Db 1729 RMLWENNSTIVMLTKLREMGREKCHQWP--AERSARYQYFVVDPMAYNMPQYI-LRE 1785
Qy 119 PQIVKKSSTGSKQCVKHLQFTKWDHGTGPASADPFKIVRYVRKSH-----ITGPLLVHCSA 174
Db 1786 FKVTDARDGQSRTVRQFTDWPQGVKSGEGFIDFQVHKTKQFGQDGPISVHCSA 1845
Qy 175 GVGRGTGVFICVDVVFSAIEKNYSFDIMNIVTQMRKQRCGMQTKQEQYCFYEVILEVL 232
Db 1846 GVGRGTGVFTLSIVLERMYRGVVDIFQTVKMLRTQRPAMVQTEDEYQFCYQAALEYL 1903

Search completed: April 6, 2005, 15:45:01
Job time : 28.5702 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 6, 2005, 15:38:11 ; Search time 79.3699 Seconds
(without alignments)
974.619 Million cell updates/sec

Title: US-09-095-478a-5_COPY_188_420

Perfect score: 1253

Sequence: 1 QNRDKNRYRDLDPYDSTRVP.....MIQTKEQYQCYBIVLEVLQ 233

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1418010 seqs, 331997259 residues

Total number of hits satisfying chosen parameters: 1418010

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
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10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep.*
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18: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
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20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1253	100.0	354	10	US-09-095-478-6 Sequence 6, Appli
2	1253	100.0	379	10	US-09-095-478-8 Sequence 8, Appli
3	1253	100.0	426	10	US-09-095-478-1 Sequence 1, Appli
4	1253	100.0	463	10	US-09-095-478-2 Sequence 2, Appli
5	1174	93.7	412	10	US-09-095-478-3 Sequence 3, Appli
6	1003	80.0	420	15	US-10-311-764-4 Sequence 4, Appli
7	668	53.3	122	10	US-09-095-478-4 Sequence 4, Appli
8	598.5	47.8	381	10	US-09-095-478-7 Sequence 7, Appli
9	592.5	47.3	358	10	US-09-095-478-9 Sequence 9, Appli
10	592.5	47.3	1267	14	US-10-060-065-35 Sequence 15, Appli
11	592.5	47.3	1267	14	US-10-059-585-56 Sequence 56, Appli
12	592.5	47.3	2466	14	US-10-177-980-12 Sequence 12, Appli
13	592.5	47.3	2485	9	US-09-802-669-46 Sequence 46, Appli

14 592.5 47.3 2485 15 US-10-619-220-46 Sequence 46, Appli
15 592.5 47.3 2485 16 US-10-408-765A-1349 Sequence 1349, Ap
16 566 45.2 122 10 US-09-095-478-5 Sequence 5, Appli
17 564 45.0 263 15 US-10-087-684-93 Sequence 93, Appli
18 564 45.0 263 15 US-10-218-779-93 Sequence 93, Appli
19 538 42.9 235 15 US-10-087-684-94 Sequence 94, Appli
20 538 42.9 235 15 US-10-218-779-94 Sequence 94, Appli
21 538 42.9 235 15 US-10-072-012-819 Sequence 819, App
22 499 39.8 913 9 US-09-848-294-2 Sequence 2, Appli
23 499 39.8 913 14 US-10-293-231-2 Sequence 2, Appli
24 499 39.8 913 15 US-10-366-547-38 Sequence 38, Appli
25 494 39.4 244 9 US-09-848-294-7 Sequence 7, Appli
26 494 39.4 244 14 US-10-293-231-7 Sequence 7, Appli
27 488.5 39.0 1948 9 US-09-808-602-55 Sequence 55, Appli
28 488.5 39.0 1948 10 US-09-800-198-45 Sequence 45, Appli
29 488 38.9 703 15 US-10-366-547-40 Sequence 40, Appli
30 487 38.9 291 9 US-09-788-626-22 Sequence 22, Appli
31 483.5 38.6 1502 9 US-09-808-602-54 Sequence 54, Appli
32 483.5 38.6 1502 10 US-09-800-198-44 Sequence 44, Appli
33 482.5 38.5 264 14 US-10-245-539-6 Sequence 6, Appli
34 476.5 38.0 926 17 US-10-772-636-40 Sequence 40, Appli
35 475 37.9 341 16 US-10-723-606-3 Sequence 3, Appli
36 475 37.9 1337 14 US-10-390-501-2 Sequence 2, Appli
37 475 37.9 1337 15 US-10-366-547-42 Sequence 42, Appli
38 475 37.9 1337 15 US-10-366-547-44 Sequence 44, Appli
39 475 37.9 1337 16 US-10-723-606-2 Sequence 2, Appli
40 474.5 37.9 344 16 US-10-408-765A-1670 Sequence 1670, Ap
41 474.5 37.9 1912 17 US-10-772-636-64 Sequence 64, Appli
42 469.5 37.5 312 15 US-10-634-027-6 Sequence 6, Appli
43 469.5 37.5 319 15 US-10-634-027-7 Sequence 7, Appli
44 469.5 37.5 336 15 US-10-634-027-4 Sequence 4, Appli
45 469.5 37.5 1450 16 US-10-497-692-14 Sequence 14, Appli

ALIGNMENTS

RESULT 1

US-09-095-478-6
; Sequence 6, Application US/09095478
; Publication No. US20030095970A1
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; TITLE OF INVENTION: NOVEL PROTEIN TYROSINE
; TITLE OF INVENTION: PHOSPHATASE SuTP05 AND
; TITLE OF INVENTION: RELATED PRODUCTS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FASTSEQ for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/095,478
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 224/115

```

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 354 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
; US-09-095-478-6

Query Match      100.0%; Score 1253; DB 10; Length 354;
Best Local Similarity 100.0%; Pred. No. 9.5e-126;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 QNRDKNRYRDLIPYDSTRVPLGKKNKYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
Db 118 QNRDKNRYRDLIPYDSTRVPLGKKNKYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 177
Qy 61 MVLNNCNVIAITREIECGVIKCYSWPISLKEPLEFHFVSFLETFHVTQYFTVRVQ 120
Db 178 MVLNNCNVIAITREIECGVIKCYSWPISLKEPLEFHFVSFLETFHVTQYFTVRVQ 237
Qy 121 IVKSTGSKQCVKHLQFTKWDHGTDPASADFFIKYVYVRKSHITGPLLHVCSSAGVGTG 180
Db 238 IVKSTGSKQCVKHLQFTKWDHGTDPASADFFIKYVYVRKSHITGPLLHVCSSAGVGTG 297
Qy 181 VFICVDVVFSAIEKNYSFDIMNIVTQMRKQRCGMIQTKEQYQFCYEVILEVLQ 233
Db 298 VFICVDVVFSAIEKNYSFDIMNIVTQMRKQRCGMIQTKEQYQFCYEVILEVLQ 350

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RESULT 2

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; Sequence 8, Application US/09095478
; Publication No. US20030095970A1
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, Gregory
; TITLE OF INVENTION: NOVEL PROTEIN TYROSINE
; TITLE OF INVENTION: PHOSPHATASE SUPTP05 AND
; TITLE OF INVENTION: RELATED PRODUCTS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSEQ for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/095,478
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 224/115
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440

```

```

; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 379 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
; US-09-095-478-8

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Query Match      100.0%; Score 1253; DB 10; Length 379;
Best Local Similarity 100.0%; Pred. No. 1e-125;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 QNRDKNRYRDLIPYDSTRVPLGKKNKYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
Db 143 QNRDKNRYRDLIPYDSTRVPLGKKNKYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 202
Qy 61 MVLNNCNVIAITREIECGVIKCYSWPISLKEPLEFHFVSFLETFHVTQYFTVRVQ 120
Db 203 MVLNNCNVIAITREIECGVIKCYSWPISLKEPLEFHFVSFLETFHVTQYFTVRVQ 262
Qy 121 IVKSTGSKQCVKHLQFTKWDHGTDPASADFFIKYVYVRKSHITGPLLHVCSSAGVGTG 180
Db 263 IVKSTGSKQCVKHLQFTKWDHGTDPASADFFIKYVYVRKSHITGPLLHVCSSAGVGTG 322
Qy 181 VFICVDVVFSAIEKNYSFDIMNIVTQMRKQRCGMIQTKEQYQFCYEVILEVLQ 233
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RESULT 3

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; Sequence 1, Application US/09095478
; Publication No. US20030095970A1
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, Gregory
; TITLE OF INVENTION: NOVEL PROTEIN TYROSINE
; TITLE OF INVENTION: PHOSPHATASE SUPTP05 AND
; TITLE OF INVENTION: RELATED PRODUCTS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSEQ for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/095,478
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 224/115
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:

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```

; LENGTH: 426 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
US-09-095-478-1

Query Match      100.0%; Score 1253; DB 10; Length 426;
Best Local Similarity 100.0%; Pred. No. 1.2e-125;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 QNRDKNRYRDLIPYDSTRVPLGKKNKDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
Db 188 QNRDKNRYRDLIPYDSTRVPLGKKNKDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 247
Qy 61 MVLNNCNVIMITREIECGVIKCYSYWPIISLKEPLFEHFSVLETFHVTQYFTRVVFQ 120
Db 248 MVLNNCNVIMITREIECGVIKCYSYWPIISLKEPLFEHFSVLETFHVTQYFTRVVFQ 307
Qy 121 IVKSTGKSCQCVKHLQFTKWPDHGTPASADFFIKYVYVRKSHITGPLLHVCASAGVGTG 180
Db 308 IVKSTGKSCQCVKHLQFTKWPDHGTPASADFFIKYVYVRKSHITGPLLHVCASAGVGTG 367
Qy 181 VFCVDVVFSAIEKNYSFDMNIVTQMRKORCGMIQTKEQYQFCYEVILEVLQ 233
Db 368 VFCVDVVFSAIEKNYSFDMNIVTQMRKORCGMIQTKEQYQFCYEVILEVLQ 420

RESULT 4
US-09-095-478-2
; Sequence 2, Application US/09095478
; Publication No. US20030095970A1
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; TITLE OF INVENTION: NOVEL PROTEIN TYROSINE
; TITLE OF INVENTION: PHOSPHATASE SUPT05 AND
; TITLE OF INVENTION: RELATED PRODUCTS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/095,478
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; FILING DATE:
; APPLICATION NUMBER:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 224/115
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 426 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
US-09-095-478-3

; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
US-09-095-478-2

Query Match      100.0%; Score 1253; DB 10; Length 463;
Best Local Similarity 100.0%; Pred. No. 1.4e-125;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 QNRDKNRYRDLIPYDSTRVPLGKKNKDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
Db 225 QNRDKNRYRDLIPYDSTRVPLGKKNKDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 284
Qy 61 MVLNNCNVIMITREIECGVIKCYSYWPIISLKEPLFEHFSVLETFHVTQYFTRVVFQ 120
Db 285 MVLNNCNVIMITREIECGVIKCYSYWPIISLKEPLFEHFSVLETFHVTQYFTRVVFQ 344
Qy 121 IVKSTGKSCQCVKHLQFTKWPDHGTPASADFFIKYVYVRKSHITGPLLHVCASAGVGTG 180
Db 345 IVKSTGKSCQCVKHLQFTKWPDHGTPASADFFIKYVYVRKSHITGPLLHVCASAGVGTG 404
Qy 181 VFCVDVVFSAIEKNYSFDMNIVTQMRKORCGMIQTKEQYQFCYEVILEVLQ 233
Db 405 VFCVDVVFSAIEKNYSFDMNIVTQMRKORCGMIQTKEQYQFCYEVILEVLQ 457

RESULT 5
US-09-095-478-3
; Sequence 3, Application US/09095478
; Publication No. US20030095970A1
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; TITLE OF INVENTION: NOVEL PROTEIN TYROSINE
; TITLE OF INVENTION: PHOSPHATASE SUPT05 AND
; TITLE OF INVENTION: RELATED PRODUCTS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/095,478
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 224/115
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 412 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
US-09-095-478-3

```

Query Match 93.7%; Score 1174; DB 10; Length 412;
 Best Local Similarity 100.0%; Pred. No. 3.5e-117; Indels 0; Gaps 0;
 Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QNRDKRYRDILPYDSTRVPLGKNDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
 DB 188 QNRDKRYRDILPYDSTRVPLGKNDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 247

QY 61 MVLNNCNVMIATREIECGVIKCYSWPISLKEPLEHFSVLETFHTVQYFTVRVFO 120
 DB 248 MVLNNCNVMIATREIECGVIKCYSWPISLKEPLEHFSVLETFHTVQYFTVRVFO 307

QY 121 IVKSTGKSCQVHLQFTKWDHGTTPASADFFIKYRVVRKSHITGPLLHVCSSAGVGRGTG 180
 DB 308 IVKSTGKSCQVHLQFTKWDHGTTPASADFFIKYRVVRKSHITGPLLHVCSSAGVGRGTG 367

QY 181 VFICVDVVFSAIEKNYSFDINNVITQMKQRCGMIOQTK 218
 DB 368 VFICVDVVFSAIEKNYSFDINNVITQMKQRCGMIOQTK 405

RESULT 6

US-10-311-764-4
 ; Sequence 4, Application US/10311764
 ; Publication No. US20040023245A1
 ; GENERAL INFORMATION:
 ; APPLICANT: INCYTE GENOMICS, INC.; AU-YOUNG, Janice K.
 ; APPLICANT: BAUGHN, Marian R.; DING, Li
 ; APPLICANT: ELIOTT, Vicki S.; GANDHI, Ameena R.
 ; APPLICANT: GRIFFIN, Jennifer A.; HAFALIA, April J.A.
 ; APPLICANT: KEARNEY, Liam; LEE, Ernestine A.
 ; APPLICANT: LU, Yan; NGUYEN, Daniel B.
 ; APPLICANT: ARVIZU, Chandra S.; RAMKUMAR, Jayalaxmi
 ; APPLICANT: REDDY, Roopa M.; SANJANWALA, Madhusudan M.
 ; APPLICANT: STEWART, Elizabeth A.; TANG, Y. Tom
 ; APPLICANT: THORNTON, Michael B.; TRIBOULEY, Catherine M.
 ; APPLICANT: CHAWLA, Narinder K.; YUE, Junming
 ; APPLICANT: YAO, Monique G.; YUE, Henry
 ; TITLE OF INVENTION: PROTEIN PHOSPHATASES
 ; FILE REFERENCE: PI-0126 USN
 ; CURRENT APPLICATION NUMBER: US/10/311,764
 ; CURRENT FILING DATE: 2002-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US01/19442
 ; PRIOR FILING DATE: 2001-06-14
 ; PRIOR APPLICATION NUMBER: US 60/212,447
 ; PRIOR FILING DATE: 2000-06-16
 ; PRIOR APPLICATION NUMBER: US 60/213,746
 ; PRIOR FILING DATE: 2000-06-22
 ; PRIOR APPLICATION NUMBER: US 60/215,210
 ; PRIOR FILING DATE: 2000-06-29
 ; PRIOR APPLICATION NUMBER: US 60/216,529
 ; PRIOR FILING DATE: 2000-07-06
 ; PRIOR APPLICATION NUMBER: US 60/218,080
 ; PRIOR FILING DATE: 2000-07-12
 ; PRIOR APPLICATION NUMBER: US 60/220,117
 ; PRIOR FILING DATE: 2000-07-21
 ; NUMBER OF SEQ ID NOS: 18
 ; SOFTWARE: PERL Program
 ; SEQ ID NO 4
 ; LENGTH: 420
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; OTHER INFORMATION: Incyte ID No. US20040023245A1 7476861CD1
 US-10-311-764-4

Query Match 80.0%; Score 1003; DB 15; Length 420;
 Best Local Similarity 78.9%; Pred. No. 8.3e-99;
 Matches 183; Conservative 24; Mismatches 25; Indels 0; Gaps 0;

QY 2 NRDKRYRDILPYDSTRVPLGKNDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 61

DB 183 NREKNRYRDILPYDSTRVPLGKNDYINASYIRIVNCEYFYIATQGPLSTIDDFWQM 242
 QY 62 VLENNCNVMIATREIECGVIKCYSWPISLKEPLEHFSVLETFHTVQYFTVRVFOI 121
 DB 243 VLENNCNVMIATREIEGGIKCYHWPIISLKKPLELKHFRVLENYQILQYFIIRMFQV 302
 QY 122 VKSTGKSCQVHLQFTKWDHGTTPASADFFIKYRVVRKSHITGPLLHVCSSAGVGRGTG 181
 DB 303 VKSTGSHSVKQLQFTKWDHGTTPASADFFIKYRVVRKSHITGPMVHVCHSAGIGRTG 362
 QY 182 FICVDVVFSAIEKNYSFDINNVITQMKQRCGMIOQTKQYQFCVIEIVLEVLQ 233
 DB 363 FLCVDVVFCAIVKNCNPNINDIVAQMRQSRGMVQTKQYHFCYDVLVLEVR 414

RESULT 7

US-09-095-478-4
 ; Sequence 4, Application US/09095478
 ; Publication No. US20030095970A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Plowman, Gregory
 ; TITLE OF INVENTION: NOVEL PROTEIN TYROSINE
 ; TITLE OF INVENTION: PHOSPHATASE SUPT05 AND
 ; TITLE OF INVENTION: RELATED PRODUCTS AND
 ; TITLE OF INVENTION: METHODS
 ; NUMBER OF SEQUENCES: 25
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Lyon & Lyon
 ; STREET: 633 West Fifth Street
 ; CITY: Suite 4700
 ; CITY: Los Angeles
 ; STATE: California
 ; COUNTRY: U.S.A.
 ; ZIP: 90071-2066
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 ; MEDIUM TYPE: storage
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: IBM P.C. DOS 5.0
 ; SOFTWARE: FastSeq for Windows 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/095,478
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER:
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Warburg, Richard J.
 ; REGISTRATION NUMBER: 32,327
 ; REFERENCE/DOCKET NUMBER: 224/115
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (213) 489-1600
 ; TELEFAX: (213) 955-0440
 ; TELEX: 67-3510
 ; INFORMATION FOR SEQ ID NOS: 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 122 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: Peptide
 US-09-095-478-4

Query Match 53.3%; Score 668; DB 10; Length 122;
 Best Local Similarity 100.0%; Pred. No. 1.5e-63;
 Matches 122; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 57 DFQWVLENNCNVMIATREIECGVIKCYSWPISLKEPLEHFSVLETFHTVQYFTV 116
 DB 1 DFQWVLENNCNVMIATREIECGVIKCYSWPISLKEPLEHFSVLETFHTVQYFTV 60

Qy 117 RVFQIVKSTGKSCQVKHLQFTKPDHGTASADFFIKYVYVRKSHITGPLLHVCAGV 176
Db 61 RVFQIVKSTGKSCQVKHLQFTKPDHGTASADFFIKYVYVRKSHITGPLLHVCAGV 120
Qy 177 GR 178
Db 121 GR 122

RESULT 8
US-09-095-478-7
; Sequence 7, Application US/09095478
; Publication No. US20030095970A1
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; TITLE OF INVENTION: NOVEL PROTEIN TYROSINE
; TITLE OF INVENTION: PHOSPHATASE SUPTP05 AND
; TITLE OF INVENTION: RELATED PRODUCTS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; STATE: Los Angeles
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSEQ for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/095.478
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 224/115
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 381 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
US-09-095-478-7

Query Match 47.8%; Score 598.5; DB 10; Length 381;
Best Local Similarity 50.0%; Pred. No. 2e-55; Mismatches 74; Indels 7; Gaps 3;
Matches 118; Conservative 37;
Qy 1 QNRDKNRYRDLIPYDSTRVPLGKKNKYINASYIRIVNHHEEYFYIATQGPLPETIEDFWQ 60
Db 144 ENRRKNRYKNILPYDATRVPLGDEGGYINASFIRPVGTQFVVIACQGPLTTVGDFWQ 203
Qy 61 MVLNNCNVIAMITREIECGVIKCYSWPISL-KEPFEHFSVPLETFHVTQYTVRVF 119
Db 204 MWVEQNSTVIAMTQVEGEKIKORYWPSILGTTTANERLRLALLRMQKGFVRVM 263
Qy 120 QIVKSTGKSCQVKHLQFTKPDHGTASAD---FFIKYVYVRKSHITGPLLHVCAGV 176
Db 264 ALEDIQTEVRHISHLNFTAWPDHDTSPQDDLLTTFISYMRHRRS---GPVITHCSAGI 320

Qy 177 GRTGVFICVDVVFSAIEKNYSFDIMNIIVTOMRKQRCGMIOQKEQYQFCYEIVLEVL 232
Db 321 GRSOTLICIDVVLGLISQDLFEFDISLVRQWRLQRHGMVQTEGQVFCYQVILVYL 376

RESULT 9
US-09-095-478-9
; Sequence 9, Application US/09095478
; Publication No. US20030095970A1
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; TITLE OF INVENTION: NOVEL PROTEIN TYROSINE
; TITLE OF INVENTION: PHOSPHATASE SUPTP05 AND
; TITLE OF INVENTION: RELATED PRODUCTS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; STATE: Los Angeles
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSEQ for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/095.478
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 224/115
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 358 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
US-09-095-478-9

Query Match 47.3%; Score 592.5; DB 10; Length 358;
Best Local Similarity 47.6%; Pred. No. 8.1e-55;
Matches 111; Conservative 41; Mismatches 80; Indels 1; Gaps 1;
Qy 1 QNRDKNRYRDLIPYDSTRVPLGKKNKYINASYIRIVNHHEEYFYIATQGPLPETIEDFWQ 60
Db 121 ENRRKNRYKNILPYDATRVPLGDEGGYINASFIRPVGTQFVVIACQGPLTTVGDFWQ 180
Qy 61 MVLNNCNVIAMITREIECGVIKCYSWPISL-KEPFEHFSVPLETFHVTQYTVRVF 119
Db 181 MWVEQNSTVIAMTQVEGEKIKORYWPSILGTTTANERLRLALLRMQKGFVRVM 240
Qy 120 QIVKSTGKSCQVKHLQFTKPDHGTASADFFIKYVYVRKSHITGPLLHVCAGV 179
Db 241 TLEDIQTEVRHISHLNFTAWPDHDTSPQDDLLTTFISYMRHRRS---GPVITHCSAGI 300
Qy 180 GVFICVDVVFSAIEKNYSFDIMNIIVTOMRKQRCGMIOQKEQYQFCYEIVLEVL 232

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Db 301 GTLICIDVVLGLISQDLDFDISLVRMELQRMHGMVQTEDQYIFCVQVILVYL 353

RESULT 10
US-10-060-065-35
; Sequence 35, Application US/100600065
; Publication No. US20030017480A1
; GENERAL INFORMATION:
; APPLICANT: Toshio Ota
; APPLICANT: Takao Isogai
; APPLICANT: Tetsuo Nishikawa
; APPLICANT: Koji Hayashi
; APPLICANT: Kaoru Otsuka
; APPLICANT: Jun-ichi Yamamoto
; APPLICANT: Shizuko Ishii
; APPLICANT: Tomoyasu Sugiyama
; APPLICANT: Ai Wakamatsu
; APPLICANT: Keiichi Nagai
; APPLICANT: Tetsuji Otsuki
; APPLICANT: Shin-ichi Funahashi
; APPLICANT: Chiaki Senoo
; APPLICANT: Jun-ichi Nezu
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN KINASE/PROTEIN PHOSPHATASE
; FILE REFERENCE: 06501-099002
; CURRENT APPLICATION NUMBER: US/10/060,065
; PRIOR FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: PCT/JP00/05061
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: US 60/159,590
; PRIOR FILING DATE: 1999-10-18
; PRIOR APPLICATION NUMBER: US 60/183,322
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: JP 11-248036
; PRIOR FILING DATE: 1999-07-29
; PRIOR APPLICATION NUMBER: JP 2000-118776
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: JP 2000-183767
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: JP 2000-241899
; PRIOR FILING DATE: 2000-06-09
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 35
; LENGTH: 1267
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-060-065-35

Query Match 47.3%; Score 592.5; DB 14; Length 1267;
Best Local Similarity 47.6%; Pred. No. 4.2e-54;
Matches 111; Conservative 41; Mismatches 80; Indels 1; Gaps 1;

Qy 1 QNRDKNRYRDLPYDSTRVPLGKNDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
Db 1018 ENRRKNRYKILPYDATRVLGDEGGYINASFIKIPVGKEEFVYIACQGPLPTTVGDFWQ 1077

Qy 61 MVLENNCNVIAMITREIECGVICKYSYWPISL-KEPFEFEHFSVLETFHTVQYTFVRVF 119
Db 1078 MIWEQKSTVIAMTQVEGEKIKQRYWPNILGKTTWVSNRLALVRMQLKGFVVVRAM 1137

Qy 120 QIVKSTGKSCQVKHLOFTKPDHGTPASADFFIKYVYVRKSHITGPLLHVCAGVGT 179
Db 1138 TLEDIQTRVHRHSHLNTAWPDHDTSPQDDLLTFISYMRHHSRGPFIITHCSAGIGRS 1197

Qy 180 GVFIQVDVVFSAIEKNYSFDMNIVTOMRKQRCGMIOQKQYQFCYEVILEVL 232
Db 1198 GTLICIDVVLGLISQDLDFDISLVRMELQRMHGMVQTEDQYIFCVQVILVYL 1250

RESULT 11
US-10-059-585-56
; Sequence 56, Application US/10059585
; Publication No. US20030082766A1

```

```

; GENERAL INFORMATION:
; APPLICANT: Ota, Toshio
; APPLICANT: Isogai, Takao
; APPLICANT: Nishikawa, Tetsuo
; APPLICANT: Hayashi, Koji
; APPLICANT: Otsuka, Kaoru
; APPLICANT: Yamamoto, Jun-ichi
; APPLICANT: Ishii, Shizuko
; APPLICANT: Sugiyama, Tomoyasu
; APPLICANT: Wakamatsu, Ai
; APPLICANT: Nagai, Keiichi
; APPLICANT: Otsuki, Tetsuji
; APPLICANT: Funahashi, Shin-ichi
; APPLICANT: Senoo, Chiaki
; APPLICANT: Nezu, Jun-ichi
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN
; FILE REFERENCE: 06501-098001
; CURRENT APPLICATION NUMBER: US/10/059,585
; CURRENT FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: PCT/JP00/05060
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: US 60/183,322
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: US 60/159,590
; PRIOR FILING DATE: 1999-10-18
; PRIOR APPLICATION NUMBER: JP 2000-118776
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: JP 2000-183767
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: JP 11-248036
; PRIOR FILING DATE: 1999-07-29
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 56
; LENGTH: 1267
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-059-585-56

Query Match 47.3%; Score 592.5; DB 14; Length 1267;
Best Local Similarity 47.6%; Pred. No. 4.2e-54;
Matches 111; Conservative 41; Mismatches 80; Indels 1; Gaps 1;

Qy 1 QNRDKNRYRDLPYDSTRVPLGKNDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
Db 1018 ENRRKNRYKILPYDATRVLGDEGGYINASFIKIPVGKEEFVYIACQGPLPTTVGDFWQ 1077

Qy 61 MVLENNCNVIAMITREIECGVICKYSYWPISL-KEPFEFEHFSVLETFHTVQYTFVRVF 119
Db 1078 MIWEQKSTVIAMTQVEGEKIKQRYWPNILGKTTWVSNRLALVRMQLKGFVVVRAM 1137

Qy 120 QIVKSTGKSCQVKHLOFTKPDHGTPASADFFIKYVYVRKSHITGPLLHVCAGVGT 179
Db 1138 TLEDIQTRVHRHSHLNTAWPDHDTSPQDDLLTFISYMRHHSRGPFIITHCSAGIGRS 1197

Qy 180 GVFIQVDVVFSAIEKNYSFDMNIVTOMRKQRCGMIOQKQYQFCYEVILEVL 232
Db 1198 GTLICIDVVLGLISQDLDFDISLVRMELQRMHGMVQTEDQYIFCVQVILVYL 1250

RESULT 12
US-10-177-980-12
; Sequence 12, Application US/10177980
; Publication No. US20030166232A1
; GENERAL INFORMATION:
; APPLICANT: Saras, Jan
; APPLICANT: Franz, Petra
; APPLICANT: Aspenstrm, Pontus
; APPLICANT: Hellman, Ulf
; APPLICANT: Genez, Leonel Jorge
; APPLICANT: Heldin, Carl-Henrik
; TITLE OF INVENTION: PARG, A GTPASE ACTIVATING PROTEIN WHICH INTERACTS WITH PTPL1

```

Query Match	47.3%;	Score 592.5;	DB 15;	Length 2485;
Best Local Similarity	47.6%;	Pred. No. 1e-53;		
Matches 111;	Conservative 41;	Mismatches 80;	Indels 1;	Gaps 1;
RESULT 15				
US-09-802-669-46				
; Sequence 46, Application US/09802669				
; Patent No. US2002004490A1				
; GENERAL INFORMATION:				
; APPLICANT: Dean, Nicholas M.				
; APPLICANT: Marcussen, Eric G.				
; APPLICANT: Wyatt, Jacqueline				
; APPLICANT: Zhang, Hong				
; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling				
; FILE REFERENCE: ISPH-545				
; CURRENT APPLICATION NUMBER: US/09/802,669				
; CURRENT FILING DATE: 2001-03-09				
; PRIOR APPLICATION NUMBER: US 09/665,615				
; PRIOR FILING DATE: 2000-09-18				
; PRIOR APPLICATION NUMBER: US 09/290,640				
; PRIOR FILING DATE: 1999-04-12				
; NUMBER OF SEQ ID NOS: 180				
; SOFTWARE: PatentIn Ver. 2.0				
; SEQ ID NO 46				
; LENGTH: 2485				
; TYPE: PRT				
; ORGANISM: Homo sapiens				
US-09-802-669-46				
Query Match	47.3%;	Score 592.5;	DB 9;	Length 2485;
Best Local Similarity	47.6%;	Pred. No. 1e-53;		
Matches 111;	Conservative 41;	Mismatches 80;	Indels 1;	Gaps 1;
RESULT 15				
US-10-408-765A-1349				
; Sequence 1349, Application US/10408765A				
; Publication No. US20040101874A1				
; GENERAL INFORMATION:				
; APPLICANT: Ghosh, Soumitra S.				
; APPLICANT: Fahy, Eoin D.				
; APPLICANT: Zhang, Bing				
; APPLICANT: Gibson, Bradford W.				
; APPLICANT: Taylor, Steven W.				
; APPLICANT: Glenn, Gary M.				
; APPLICANT: Warnock, Dale E.				
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION				
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME				
; FILE REFERENCE: 660088.465				
; CURRENT APPLICATION NUMBER: US/10/408,765A				

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; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1349
; LENGTH: 2485
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-1349

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Query Match      47.3%; Score 592.5; DB 16; Length 2485;
Best Local Similarity 47.6%; Pred. No. 1e-53;
Matches 111; Conservative 41; Mismatches 80; Indels 1; Gaps 1;

QY      1 QNRDKNRYRDIPLPYDSTRVPLGKNDYINASYIRIVNHEEYFYIATOGPLPETIEDFWQ 60
      :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      2236 ENERRNRYKNILPYDATRVPLGDEGYINASFYIKIPVGKEEFVYIACQGPLTTVGDFWQ 2295
      |:|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY      61 MVLENNCNVIAITREIECGVIKYSYWPISL-KEPLEFHFHVSFLETFHVTQYFTVRVF 119
      |:|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      2296 MIWEQKSTVIAMTQVEGEKIKQRYWPNILGKTTMVSNRLRLALVRMQQLKGFVVRAM 2355
      |:|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY      120 QIVKSTGKSCQVHLOFTKWPDHCTPASADFFIKYVRYVRKSHITGPIIVHCSAGVGR 179
      |:|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      2356 TLEDIQTRVHRHSHLNTAMPDHPDTPSQDDLLTFISYMRHHRSGPIITHCSAGIGRS 2415
      |:|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY      180 GVFCICVDVVFSAIEKNYSFDIMNIVTOMRKORCGMIQTKBOYQFCYEIVLEVL 232
      |:|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      2416 GTLICIDVVLGISQDLDFDISDLVRCNRLQRHGMVQTEDQYIFCYQVILYVL 2468
      |:|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

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Search completed: April 6, 2005, 16:05:12
Job time : 80.3699 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 6, 2005, 15:11:56 ; Search time 26.5702 Seconds
(without alignments)
654.615 Million cell updates/sec

Title: US-09-095-478A-6_COPY_225_457

Perfect score: 1253
Sequence: 1 QNRDNRYRDLIPYDSTRVP.....MIQKQYQFCYEVILEVLQ 233

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.*

- 1: /cgn2_6/ptodata/1/iaa/5A_COMB.pap.*
- 2: /cgn2_6/ptodata/1/iaa/5B_COMB.pap.*
- 3: /cgn2_6/ptodata/1/iaa/6A_COMB.pap.*
- 4: /cgn2_6/ptodata/1/iaa/6B_COMB.pap.*
- 5: /cgn2_6/ptodata/1/iaa/PTCUS_COMB.pap.*
- 6: /cgn2_6/ptodata/1/iaa/backfiles.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	592.5	47.3	2465	2	US-08-596-291-3
2	592.5	47.3	2465	3	US-09-100-804-3
3	592.5	47.3	2466	3	US-09-080-855-12
4	592.5	47.3	2466	4	US-09-566-076-12
5	592.5	47.3	2466	5	PCT-US94-09943-2
6	592.5	47.3	2485	3	US-09-290-640-46
7	592.5	47.3	2485	4	US-09-665-615B-46
8	499	39.8	913	4	US-09-848-294-2
9	494	39.4	244	4	US-09-848-294-7
10	489	39.0	231	2	US-08-446-345-37
11	487	38.9	242	2	US-08-685-992-21
12	487	38.9	242	2	US-09-144-925-21
13	483.5	38.6	1911	1	US-08-348-006B-5
14	483.5	38.6	1911	2	US-08-800-825A-5
15	483.5	38.6	1911	3	US-09-158-657-5
16	483.5	38.6	1911	5	PCT-US94-10166-5
17	476.5	38.0	278	1	US-08-201-697-16
18	475	37.9	1337	3	US-08-854-585-2
19	475	37.9	1337	4	US-09-447-533-2
20	475	37.9	1337	5	PCT-US95-05512-2
21	474.5	37.9	1501	2	US-08-447-464-3
22	474.5	37.9	1501	2	US-08-716-679-3
23	469.5	37.5	1903	4	US-09-949-016-8049
24	469.5	37.5	1997	4	US-09-949-016-6275
25	468	37.4	1457	2	US-08-652-971-3
26	468	37.4	1457	2	US-08-449-644-1
27	468	37.4	1457	2	US-08-087-244A-1

Query Match 47.3%; Score 592.5; DB 2; Length 2465;
Best Local Similarity 47.6%; Pred. No. 1.3e-60;

ALIGNMENTS

RESULT 1

US-08-596-291-3
; Sequence 3, Application US/08596291
; Patent No. 5821075
; GENERAL INFORMATION:

APPLICANT: GONREZ, LEONEL JORGE

APPLICANT: SARAS, JAN

APPLICANT: CLAESSON-WELSH, LENA

TITLE OF INVENTION: PRIMARY STRUCTURE AND FUNCTIONAL

TITLE OF INVENTION: EXPRESSION OF NUCLEOTIDE SEQUENCES FOR NOVEL PROTEIN

TITLE OF INVENTION: TYROSINE PHOSPHATASES

NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:

ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.

STREET: 600 ATLANTIC AVENUE

CITY: BOSTON

STATE: MASSACHUSETTS

COUNTRY: USA

ZIP: 02210

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/596,291

FILING DATE: 09-AUG-1996

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/115,573

FILING DATE: 01-SEP-1993

ATTORNEY/AGENT INFORMATION:

NAME: GATES, EDWARD R.

REGISTRATION NUMBER: 31,616

REFERENCE/DOCKET NUMBER: LO461/7000

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617/720-3500

TELEFAX: 617/720-2441

TELEX: 92-1742 EZEKIEL

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 2465 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-596-291-3

Sequence 3, Appli
Sequence 3, Appli
Sequence 3, Appli
Sequence 38, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 9, Appli
Sequence 8, Appli
Sequence 8308, Ap
Sequence 8, Appli
Sequence 9, Appli
Sequence 8833, Ap
Sequence 8834, Ap
Sequence 8835, Ap
Sequence 8836, Ap
Sequence 8837, Ap
Sequence 8838, Ap

28 468 37.4 1457 2 US-08-991-258A-3
29 468 37.4 1457 2 US-08-769-399-3
30 468 37.4 1457 3 US-08-991-953A-3
31 466.5 37.2 232 2 US-08-446-345-38
32 462 36.9 1439 2 US-08-449-644-2
33 462 36.9 1439 2 US-08-087-244A-2
34 460.5 36.8 538 4 US-08-743-492A-9
35 459 36.6 296 4 US-10-374-539-2
36 458 36.6 1075 4 US-09-949-016-8308
37 458 36.6 1452 2 US-08-449-644-8
38 458 36.6 1452 2 US-08-087-244A-8
39 457 36.5 246 4 US-05-848-294-9
40 457 36.5 506 4 US-03-949-016-8833
41 457 36.5 506 4 US-09-949-016-8834
42 457 36.5 506 4 US-09-949-016-8835
43 457 36.5 506 4 US-09-949-016-8836
44 457 36.5 506 4 US-09-949-016-8837
45 457 36.5 506 4 US-09-949-016-8838

Matches	111; Conservative	41; Mismatches	80; Indels	1; Gaps	1;			
QY	1	QNRDKRYRDL	PYDSTRVPLGKNK	YINASIRIVNHEE	EYFIATQGP	PETIEDFWQ	60	
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Db	2216	ENRRKRYKNIL	PYDATRVL	DEGGYINASF	KIPVKEEFYV	IACQGPLTTVG	DFWQ 2275	
		::	::	::	::	::		
QY	61	MVLNNCNVIA	MTREIECGVI	KCYSWPISL	-KEPLEFEH	FSVFLETFH	VOYFTRVP 119	
		::	::	::	::	::		
Db	2276	MIWEQKSTV	IAMTTOEYEG	EKIKQRYWPN	LIGKTTWVSN	RLRALVRMQL	KGFVVRAM 2335	
		::	::	::	::	::		
QY	120	QIVKKS	GTGKQC	VKHLQFTK	WPHDGT	PASADFFIK	YVRYVKSHITGPLL	VHKSAGVGT 179
		::	::	::	::	::	::	
Db	2336	TLEDIQTRE	VRVHISHLN	FTAWPDH	DTSPQDDLL	TFISYRWH	IHRSGPIITHCS	SAGIGRS 2395
		::	::	::	::	::	::	
QY	180	GVFICVDV	VSFAIEKN	YSFOIMN	IVTOMR	KORCGMIQT	KEQYQFCY	EVILEVL 232
		::	::	::	::	::	::	
Db	2396	GTLICIDV	LGLISQD	LDIFSLVR	CWRLQR	GHGMVOTD	QYIFCY	OVILVVL 2448
		::	::	::	::	::	::	

RESULT 2
 US-09-100-804-3
 ; Sequence 3, Application US/09100804
 ; Patent No. 6066472
 ; GENERAL INFORMATION:
 ; APPLICANT: GONEZ, LEONEL JORGE
 ; APPLICANT: SARAS, JAN
 ; APPLICANT: CLAESSON-WELSH, LENA
 ; APPLICANT: HELDIN, CARL-HENRIK
 ; TITLE OF INVENTION: PRIMARY STRUCTURE AND FUNCTIONAL
 ; TITLE OF INVENTION: EXPRESSION OF NUCLEOTIDE SEQUENCES FOR NOVEL PROTEIN
 ; TITLE OF INVENTION: TYROSINE PHOSPHATASES
 ; NUMBER OF SEQUENCES: 34
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
 ; STREET: 600 ATLANTIC AVENUE
 ; CITY: BOSTON
 ; STATE: MASSACHUSETTS
 ; COUNTRY: USA
 ; ZIP: 02210
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/100,804
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/596,291
 ; FILING DATE: 09-AUG-1996
 ; APPLICATION NUMBER: US 08/115,573
 ; FILING DATE: 01-SEP-1993
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US94/09943
 ; FILING DATE: 01-SEP-1994
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: GATES, EDWARD R.
 ; REGISTRATION NUMBER: 31,616
 ; REFERENCE/DOCKET NUMBER: L0461/7003
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 617-720-3500
 ; TELEFAX: 617-720-2441
 ; TELEX:
 ; INFORMATION FOR SEQ ID NO: 3:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2465 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-09-100-804-3

Query Match 47.3%; Score 592.5; DB 3; Length 2465;

[illegible]

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RESULT 3
US-09-080-855-12
; Sequence 12, Application US/09080855A
; Patent No. 6083721
; GENERAL INFORMATION:
; APPLICANT: Saras, Jan
; APPLICANT: Franzini, Petra
; APPLICANT: Aspenstrm, Pontus
; APPLICANT: Hellman, Ulf
; APPLICANT: Gomez, Leonel Jorge
; APPLICANT: Heidin, Carl-Henrik
; TITLE OF INVENTION: PARC, A GTPASE ACTIVAT
; FILE REFERENCE: L0461/7030
; CURRENT APPLICATION NUMBER: US/09/080,855A
; CURRENT FILING DATE: 1998-05-18
; EARLIER APPLICATION NUMBER: 08/805,583
; EARLIER FILING DATE: 1997-02-25
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 12
; LENGTH: 2466
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-080-855-12

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Query Match	47.3%	Score 592.5	DB 3	Length 2466
Best Local Similarity	47.6%	Pred. No. 1.3e-60		
Matches 111	Conservative 41	Mismatches 80	Indels 1	Gaps 1
Qy	1	QNRKRYRDLVDSTRVPLGNKNDYINASVIRIVNHEEVEFYIATQGPLPETIEDFWQ	60	
Db	2217	ENRRKRYKNILPYDATRVPLDGBGGYINASFIKIPVGKEEFYIACQGPLPTTVGDFWQ	2276	
Qy	61	MVLNNCNVIAMITREICGVIKCYKSYWPLSL-KEPLEPEHFSVFIETHVTOYFTVRVP	119	
Db	2277	MIWEQKSTVIAMTQVEGEKICQRYWPNILGKTTWVSNRLRLATVRMQOLKGFVVRAM	2336	
Qy	120	QIVKKSNGSKQVKHLQFTKWDPHGPASADPFIKVRYVRKSHITGPLLVHCSAGVGT	179	
Db	2337	TLESDIQTRVRRHLSHLFTAWPDHDPDTPSQDDLLTFISWGHIRSGPITTHCSAGIGRS	2396	
Qy	180	GVFICVDVVFSAIEKNYSFDIMNIVTQMRKQRCGMIQTKEQYQFCYEIVLEVL	232	
Db	2397	GTLICIDVVLGLISODLDFDISLVRKMLRQHGVMQTEDOYIFCVQVILLYVL	2449	

RESULT 4
US-09-566-076-12
; Sequence 12, Application US/09566076
; Patent No. 6475775
; GENERAL INFORMATION:
; APPLICANT: Saras, Jan
; APPLICANT: Fraunz, Petra

APPLICANT: Aspenstrm, Pontus
APPLICANT: Hellman, Ulf
APPLICANT: Genez, Leonel Jorge
APPLICANT: Heldin, Carl-Henrik
TITLE OF INVENTION: PARG, A GTPASE ACTIVATING PROTEIN WHICH INTERACTS WITH PTPL1
FILE REFERENCE: L0461/7030
CURRENT APPLICATION NUMBER: US/09/566,076
CURRENT FILING DATE:
EARLIER APPLICATION NUMBER: 09/080,855
EARLIER FILING DATE: 1998-05-18
NUMBER OF SEQ ID NOS: 39
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 12
LENGTH: 2466
TYPE: PRT
ORGANISM: Homo sapiens
US-09-566-076-12

Query Match 47.3%; Score 592.5; DB 4; Length 2466;
Best Local Similarity 47.6%; Pred. No. 1.3e-60;
Matches 111; Conservative 41; Mismatches 80; Indels 1; Gaps 1;

Qy 1 QNRDKRYRDLIPYDSTRVPLGKKNKYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
Db 2217 ENRRKNRYKNILPYDATRVPLGDEGGYINASFIKIPVGKEEFVYIACQGPLTTVGDFWQ 2276
Qy 61 MVLNNCNVIAITREIECGVIKCYSWPISL-KEPLEFEHFSVLETFHVTQYTVRVF 119
Db 2277 MIWEQKSTVIAMTQVEGEKIKCORYWPNILGKTTWVSNRLRLALVRMQLKGFVVVRAM 2336
Qy 120 QIVKSTGKSCQVHLQFTKWPDHGTASADFFIKYVYVRKSHITGPLLHVCAGVGR 179
Db 2337 TLEDIQTRVHRHSHLNTAWPDHDTSPQDDLLTFISYMRHHRSGPIITHCSAGIGRS 2396
Qy 180 GVFCVDVWVFAIEKNYSFDIMNIVTQMRKQRCGMIOQKEQYQCYEVLVL 232
Db 2397 GTLICIDVVLGLISQDLDLFDISLVRMQLRQHGVMQVTEQYIFCYQVILVYL 2449

RESULT 5
PCT-US94-09943-2
Sequence 2, Application PC/TUS9409943
GENERAL INFORMATION:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: PRIMARY STRUCTURE AND FUNCTIONAL
TITLE OF INVENTION: EXPRESSION OF NUCLEOTIDE SEQUENCES FOR NOVEL PROTEIN
TITLE OF INVENTION: TYROSINE PHOSPHATASES
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/09943
FILING DATE: 01-SEP-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/115,573
FILING DATE: 01-SEP-1993
ATTORNEY/AGENT INFORMATION:
NAME: TWOMEY, MICHAEL J.
REGISTRATION NUMBER: P-38,349
REFERENCE/DOCKET NUMBER: L0461/7000WO

TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
TELEX: 92-1742 EZEKIEL
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2466 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US94-09943-2

Query Match 47.3%; Score 592.5; DB 5; Length 2466;
Best Local Similarity 47.6%; Pred. No. 1.3e-60;
Matches 111; Conservative 41; Mismatches 80; Indels 1; Gaps 1;

Qy 1 QNRDKRYRDLIPYDSTRVPLGKKNKYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
Db 2217 ENRRKNRYKNILPYDATRVPLGDEGGYINASFIKIPVGKEEFVYIACQGPLTTVGDFWQ 2276
Qy 61 MVLNNCNVIAITREIECGVIKCYSWPISL-KEPLEFEHFSVLETFHVTQYTVRVF 119
Db 2277 MIWEQKSTVIAMTQVEGEKIKCORYWPNILGKTTWVSNRLRLALVRMQLKGFVVVRAM 2336
Qy 120 QIVKSTGKSCQVHLQFTKWPDHGTASADFFIKYVYVRKSHITGPLLHVCAGVGR 179
Db 2337 TLEDIQTRVHRHSHLNTAWPDHDTSPQDDLLTFISYMRHHRSGPIITHCSAGIGRS 2396
Qy 180 GVFCVDVWVFAIEKNYSFDIMNIVTQMRKQRCGMIOQKEQYQCYEVLVL 232
Db 2397 GTLICIDVVLGLISQDLDLFDISLVRMQLRQHGVMQVTEQYIFCYQVILVYL 2449

RESULT 6
US-09-250-640-46
Sequence 46, Application US/09290640
Patent No. 6204055
GENERAL INFORMATION:
APPLICANT: Dean, Nicholas M.
APPLICANT: Marcusson, Eric G.
TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
FILE REFERENCE: ISPH-0351
CURRENT APPLICATION NUMBER: US/09/290,640
CURRENT FILING DATE: 1999-04-12
NUMBER OF SEQ ID NOS: 85
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 46
LENGTH: 2485
TYPE: PRT
ORGANISM: Homo sapiens
US-09-250-640-46

Query Match 47.3%; Score 592.5; DB 3; Length 2485;
Best Local Similarity 47.6%; Pred. No. 1.3e-60;
Matches 111; Conservative 41; Mismatches 80; Indels 1; Gaps 1;

Qy 1 QNRDKRYRDLIPYDSTRVPLGKKNKYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
Db 2236 ENRRKNRYKNILPYDATRVPLGDEGGYINASFIKIPVGKEEFVYIACQGPLTTVGDFWQ 2295
Qy 61 MVLNNCNVIAITREIECGVIKCYSWPISL-KEPLEFEHFSVLETFHVTQYTVRVF 119
Db 2296 MIWEQKSTVIAMTQVEGEKIKCORYWPNILGKTTWVSNRLRLALVRMQLKGFVVVRAM 2355
Qy 120 QIVKSTGKSCQVHLQFTKWPDHGTASADFFIKYVYVRKSHITGPLLHVCAGVGR 179
Db 2356 TLEDIQTRVHRHSHLNTAWPDHDTSPQDDLLTFISYMRHHRSGPIITHCSAGIGRS 2415
Qy 180 GVFCVDVWVFAIEKNYSFDIMNIVTQMRKQRCGMIOQKEQYQCYEVLVL 232
Db 2416 GTLICIDVVLGLISQDLDLFDISLVRMQLRQHGVMQVTEQYIFCYQVILVYL 2468

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RESULT 7
US-09-665-615B-46
; Sequence 46, Application US/09665615B
; Patent No. 6653133
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcussen, Eric G.
; APPLICANT: Wyatt, Jacqueline
; TITLE OF INVENTION: Antisense Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-0502
; CURRENT APPLICATION NUMBER: US/09/665,615B
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 09/290,640
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 179
; SOFTWARE: Patentin ver. 2.0
; SEQ ID NO 46
; LENGTH: 2485
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-665-615B-46

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Query Match 47.3%; Score 592.5; DB 4; Length 2485;
Best Local Similarity 47.6%; Pred. No. 1.3e-60;
Matches 111; Conservative 41; Mismatches 80; Indels 1; Gaps 1;

Qy 1 QNRDKRYRDLPLDYDSTRVPLGKNDYINASYIIRVNHEEYFYIATQGPLPETIEDFWQ 60
Db 2236 ENRRKRYKNTLPDYATRVPLGDEGGYINASFIIKIPVGKEFVYIACQGPLTFTVGDFWQ 2295

Qy 61 MVLNNCNVIAITREIECGVICKVSWPISL-KEPFEHFSVLETFHTVFTVRVF 119
Db 2296 MIWQKSTVIAWMTQVEGEKIKQRYWPNLTGTTWVSNELRLALVQMQLKGFVRAM 2355

Qy 120 QIVKSTGKSCQVHLQFTKPDGTPASADFFIKYVRYVKSHITGPLLHVCAGVGR 179
Db 2356 TLEDIQTREVRHSHLNFATWEDHTPSQDDLLTFISYMRHHRSGPIIHCAGIGRS 2415

Qy 180 GVFCVDVVFSAIEKNYSFDIMNIVTQMRKQRCGMIOKEQYQCYEIVLEVL 232
Db 2416 GTLICIDVVLISQDLDFDISLVRCLMRQHGAVQTEDQYIFCYQVILVYL 2468

```

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RESULT 8
US-09-848-294-2
; Sequence 2, Application US/09848294
; Patent No. 6479640
; GENERAL INFORMATION:
; APPLICANT: Tonks, Nicholas K.
; TITLE OF INVENTION: Isolation of A cDNA Encoding A No. 6479640el
; TITLE OF INVENTION: Protein Tyrosine Phosphatase Which Localizes to Focal
; TITLE OF INVENTION: Adhesions and Uses Therefor
; FILE REFERENCE: CSHL90-04FZA
; CURRENT APPLICATION NUMBER: US/09/848,294
; CURRENT FILING DATE: 2001-05-03
; PRIOR APPLICATION NUMBER: 09/235,251
; PRIOR FILING DATE: 1999-01-22
; PRIOR APPLICATION NUMBER: 08/759,536
; PRIOR FILING DATE: 1996-12-04
; PRIOR APPLICATION NUMBER: 08/107,420
; PRIOR FILING DATE: 1993-08-16
; PRIOR APPLICATION NUMBER: 07/663,579
; PRIOR FILING DATE: 1991-03-01
; PRIOR APPLICATION NUMBER: 07/494,036
; PRIOR FILING DATE: 1990-03-14
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 913
; TYPE: PRT
; ORGANISM: Homosapiens
US-09-848-294-2

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Query Match 39.8%; Score 499; DB 4; Length 913;
Best Local Similarity 42.0%; Pred. No. 4e-50;
Matches 102; Conservative 38; Mismatches 85; Indels 18; Gaps 5;

Qy 1 QNRDKRYRDLPLDYDSTRVPLGKNDYINASYIIRVNHEEYFYIATQGPLPE 53
Db 669 QNLDKRYKDVLPDYDTTRVLLQGNEDYINASYVNNMEIPAANLVNK-----YIATQGPLPH 723

Qy 54 TIEDFWQVLENNCNVIAITREIECGVICKVSWPISLKEPFEH--FSVLETFHTV 111
Db 724 TCAQFWQVWDQKSLIVLTLTTERGRTKCHQYWP---DPPDMNHGGFHIQCQSEDC 780

Qy 112 QYFTVRVFIQVKSTGKSCQVHLQFTKPDGTPASADFFIKYVRYVKSHI-TGPLL 170
Db 781 IAVSREMLVTNTQTGEHTVTHLQYVAVPDHGIPODSSDFLEFVNVYVRSRVDSEPLV 840

Qy 171 HCSAGVGRTOGVCVDFVVFSAIEKNYSFDIMNIVTQMRKQRCGMIOKEQYQCYEIVLE 230
Db 841 HCSAGIGRTGLVMTMETAMCLTERNLPIYPLDIVRMRDQRAMVQVTSQYKFCVCEAILR 900

Qy 231 VLQ 233
Db 901 VYE 903

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RESULT 9
US-09-848-294-7
; Sequence 7, Application US/09848294
; Patent No. 6479640
; GENERAL INFORMATION:
; APPLICANT: Tonks, Nicholas K.
; TITLE OF INVENTION: Isolation of A cDNA Encoding A No. 6479640el
; TITLE OF INVENTION: Protein Tyrosine Phosphatase Which Localizes to Focal
; TITLE OF INVENTION: Adhesions and Uses Therefor
; FILE REFERENCE: CSHL90-04FZA
; CURRENT APPLICATION NUMBER: US/09/848,294
; CURRENT FILING DATE: 2001-05-03
; PRIOR APPLICATION NUMBER: 09/235,251
; PRIOR FILING DATE: 1999-01-22
; PRIOR APPLICATION NUMBER: 08/759,536
; PRIOR FILING DATE: 1996-12-04
; PRIOR APPLICATION NUMBER: 08/107,420
; PRIOR FILING DATE: 1993-08-16
; PRIOR APPLICATION NUMBER: 07/663,579
; PRIOR FILING DATE: 1991-03-01
; PRIOR APPLICATION NUMBER: 07/494,036
; PRIOR FILING DATE: 1990-03-14
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 244
; TYPE: PRT
; ORGANISM: Homosapiens
US-09-848-294-7

Query Match 39.4%; Score 494; DB 4; Length 244;
Best Local Similarity 41.7%; Pred. No. 2.3e-50;
Matches 101; Conservative 38; Mismatches 85; Indels 18; Gaps 5;

Qy 2 NRDKRYRDLPLDYDSTRVPLGKNDYINASYIIRVNHEEYFYIATQGPLPET 54
Db 1 NLDKRYKDVLPDYDTTRVLLQGNEDYINASYVNNMEIPAANLVNK-----YIATQGPLPH 55

Qy 55 IEDFWQVLENNCNVIAITREIECGVICKVSWPISLKEPFEH--FSVLETFHTV 112
Db 56 CAQFWQVWDQKSLIVLTLTTERGRTKCHQYWP---DPPDMNHGGFHIQCQSEDC 112

Qy 113 YFTVRVFIQVKSTGKSCQVHLQFTKPDGTPASADFFIKYVRYVKSHI-TGPLL 171
Db 113 AYVSREMLVTNTQTGEHTVTHLQYVAVPDHGIPODSSDFLEFVNVYVRSRVDSEPLV 172

Qy 172 CSAGIGRTGLVMTMETAMCLTERNLPIYPLDIVRMRDQRAMVQVTSQYKFCVCEAILR 231

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Db 173 CSAGIGRTGVLVTMETAMCLTERNLPIYPLDIVRKMRDORAMVVTSSQYKFCVCEAILRV 232

QY 232 LQ 233

Db 233 YE 234

RESULT 10

US-08-446-345-37

Sequence 37, Application US/08446345

Patent No. 5831009

GENERAL INFORMATION:

APPLICANT: Ullrich, Axel

APPLICANT: Moller, Niels P.H.

APPLICANT: Moller, Karin B.

TITLE OF INVENTION: NOVEL PROTEIN PHOSPHOTYROSINE

TITLE OF INVENTION: PHOSPHATASES PTP-D1

NUMBER OF SEQUENCES: 41

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pennie & Edmonds

STREET: 1155 Avenue of the Americas

CITY: New York

STATE: N.Y.

COUNTRY: U.S.A.

ZIP: 10036-2711

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/446,345

FILING DATE: 22-MAY-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/234,440

FILING DATE: 28-APR-1994

ATTORNEY/AGENT INFORMATION:

NAME: Coruzzi, Laura A.

REGISTRATION NUMBER: 30742

REFERENCE/DOCKET NUMBER: 7683-054

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 790-9090

TELEFAX: (212) 869-8864

TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 37:

SEQUENCE CHARACTERISTICS:

LENGTH: 231 amino acids

TYPE: amino acid

STRANDEDNESS: unknown

TOPOLOGY: unknown

MOLECULE TYPE: protein

US-08-446-345-37

Query Match 39.0%; Score 489; DB 2; Length 231;

Best Local Similarity 42.0%; Pred. No. 8.4e-50;

Matches 100; Conservative 37; Mismatches 83; Indels 18; Gaps 5;

QY 2 NRDKNRYDILPYDSTRVPLGKKNKYINASYI-----RIVNHEEYFYIATQGLPPT 54

Db 1 NLDKNRYKDVLPYDTRVLLQGNEDYINASYNMEIPAANLVNK-----YIATQGLPPT 55

QY 55 IEDFWQVLENNCNVMIATREIECGVIKCYSWPISLKEPHEFHFVLETHV---FSVLETFHTQ 112

Db 56 CAQFQVWVDQKLSLVMLTLTTERGRTKCHQYWP---DPPDVNHHGGFHIQCQSEDCI 112

QY 113 YFTVRVFOIVKSTGKSCVVKHLQFTKPDHGTTPASADFFIKYVRYRKSHI-TGPLLHV 171

Db 113 AYVSRMLVNTQTGEETHVTTLQYVWPDHGIPTDSSDFLEFVNYVRSVRVDSEPLVH 172

QY 172 CSAGVGRGVFCVDVVFSAIEKNYSFDIMNIVTQMRKORCGMLOTKEQYFCVIEVL 229

Db 173 CSAGIGRTGVLVTMETAMCLTERNLPIYPLDIVRKMRDORAMVVTSSQYKFCVCEAIL 230

RESULT 11

US-08-685-992-21

Sequence 21, Application US/08685992

Patent No. 5912138

GENERAL INFORMATION:

APPLICANT: Tonks, Nicholas

APPLICANT: Flint, Andrew J.

TITLE OF INVENTION: SUBSTRATE TRAPPING PROTEIN

TITLE OF INVENTION: TYROSINE PHOSPHATASES

NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESS:

ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

STREET: Two Militia Drive

CITY: Lexington

STATE: MA

COUNTRY: USA

ZIP: 02173

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: Windows 95

SOFTWARE: PastSEQ for Windows Version 2.0b

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/685,992

FILING DATE: 25-JUL-1996

CLASSIFICATION: 435

PRIOR APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Granahan, Patricia

REGISTRATION NUMBER: 32,227

REFERENCE/DOCKET NUMBER: CSHL96-03

TELECOMMUNICATION INFORMATION:

TELEPHONE: 781-861-6240

TELEFAX: 781-861-9540

TELEX:

INFORMATION FOR SEQ ID NO: 21:

SEQUENCE CHARACTERISTICS:

LENGTH: 242 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-685-992-21

Query Match 38.9%; Score 487; DB 2; Length 242;

Best Local Similarity 41.8%; Pred. No. 1.6e-49;

Matches 102; Conservative 37; Mismatches 79; Indels 26; Gaps 7;

QY 1 QNRDKNRYDILPYDSTRVPLGKKNKYINASYI-----RIVNHEEYFYIATQGLPPE 53

Db 11 QNLDKNRYKDVLPYDTRVLLQGNEDYINASYNMEIPAANLVNK-----YIATQGLPPE 65

QY 54 TIEDFWQVLENNCNVMIATREIECGVIKCYSWPISLKEPHEFHFVLETHV---110

Db 66 TCAQFQVWVDQKLSLVMLTLTTERGRTKCHQYWP---DPPDVNHHGG---PHIQCC 117

QY 111 TOYFTVRVFO---IVKSTGKSCVVKHLQFTKPDHGTTPASADFFIKYVRYRKSHI-TGP 167

Db 118 SEDCTIAYVSRMLVNTQTGEETHVTTLQYVWPDHGIPTDSSDFLEFVNYVRSVRVDSE 177

QY 168 LLVHCSAGVGRGVFCVDVVFSAIEKNYSFDIMNIVTQMRKORCGMLOTKEQYFCVIEI 227

Db 178 VLHCSAGIGRTGVLVTMETAMCLTERNLPIYPLDIVRKMRDORAMVVTSSQYKFCVCEA 237

QY 228 VLEV 231

Db 238 ILRV 241

RESULT 12

US-09-144-925-21
; Sequence 21, Application US/09144925
; Patent No. 5951979
; GENERAL INFORMATION:
; APPLICANT: Tonks, Nicholas
; APPLICANT: Flint, Andrew J.
; TITLE OF INVENTION: SUBSTRATE TRAPPING PROTEIN
; TITLE OF INVENTION: TYROSINE PHOSPHATASES
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02421-4799
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: Fast-SEQ for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/144,925
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/685,992
; FILING DATE: July 25, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: CSHL96-03Z
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 781-861-6240
; TELEFAX: 781-861-9540
; TELEX:
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 242 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-144-925-21

Query Match 38.9%; Score 487; DB 2; Length 242;

Best Local Similarity 41.8%; Pred. No. 1.6e-49;

Matches 102; Conservative 37; Mismatches 79; Indels 26; Gaps 7;

Qy	1	QNRDKRYRDLIPYDSTRVPLGKNDYINASYI-----RIVNHEEYFYIATQGPLPE	53
Db	11	QNLKRYKVDLPYDTTTRVLQGNEDYINASYVNEIPAANLVK-----YIATQGPLPH	65
Qy	54	TIEDPQWVLENNCNVIAITREIECGVIKCYSWPISLKEPLFEHFSVLETFHV---	110
Db	66	TCAPQWQVWQKLSLIVLTLTGERGTRKCHQYWP---DPPDVNHHG-----FHIQCQ	117
Qy	111	TOYFTVRVFO--IVKSTGKQCQVKHLOFTKWPDPHGTPASADFFIKYRVYRKSHI-TGP	167
Db	118	SEDCITAVSMVNTVQTGEHHTVHLQYVAMPDHGIPDDSSDFLEFVNYVRSRLRVSEB	177
Qy	168	LLVHCSAGVGRGVFICVDVVFSAIEKNYSFDIMNIVTQMKRCQGMIGTKEQYQFCVEI	227
Db	178	VLVHCSAGIGRTGLVITMETACLTERNLPIYPLDIVKMKDQRAMVQTSSQYKFVCEA	237
Qy	228	VLEV	231
Db	238	ILRV	241

RESULT 13

US-08-348-006B-5

; Sequence 5, Application US/08348006B
; Patent No. 5658756
; GENERAL INFORMATION:
; APPLICANT: RODAN, GIDEON A.
; APPLICANT: SCHMIDT, AZRIEL
; APPLICANT: RUTLEDGE, SU JANE
; TITLE OF INVENTION: CDNA ENCODING A NOVEL HUMAN PROTEIN
; TITLE OF INVENTION: TYROSINE PHOSPHATASE
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: J. MARK HAND
; STREET: 126 E. LINCOLN AVE., P.O. BOX 2000
; CITY: RAHWAY
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07065-0900
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/348,006B
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/122,032
; FILING DATE: 14-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: HAND, J., MARK
; REGISTRATION NUMBER: 36,545
; REFERENCE/DOCKET NUMBER: 189921A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 908-594-3905
; TELEFAX: 908-594-4720
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1911 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-348-006B-5

Query Match 38.6%; Score 483.5; DB 1; Length 1911;

Best Local Similarity 42.0%; Pred. No. 8.3e-48;

Matches 100; Conservative 44; Mismatches 79; Indels 15; Gaps 6;

Qy	5	KNRYRDLIPYDSTRVPLG-----KNKDYINASYIRIVNHEEYFYIATQGPLPETIEDFW	59
Db	1671	KNRLVIMPYESTRVCLQPIRGVGGSDYINASFID--GYRQKAYIATQGLAETTEDFW	1728
Qy	60	QWLENNCNVIAITREIECGVIKCYSWPISLKEPLFEHFSVF-LETHVTQYFTVRV	118
Db	1729	RMLWNNSTTVMLTKLREMGREKCHQYWP--AERSARYQYFVVDPMAYNMPQYI-LRE	1785
Qy	119	FOIVKSTGKQCQVKHLOFTKWPDPHGTPASADFFIKYRVYRKSH-----ITGPLLVHCSA	174
Db	1786	FKYTDARDGQSRVTRQFQFTDNEQGVKSGEGFIDFIGQVHKTEGFGQDGISVHCSA	1845
Qy	175	GVGRGTGVFICVDVVFSAIEKNYSFDIMNIVTQMKRCQGMIGTKEQYQFCYFIVLEVL	232
Db	1846	GVGRGTGVFITSLVLERMRYEGVVDIFQTVKMLRTQRPAMVQTDEYQFCYQAALVLE	1903

RESULT 14

US-08-800-825A-5

; Sequence 5, Application US/08800825A

; Patent No. 5866397

; GENERAL INFORMATION:

; APPLICANT: RODAN, GIDEON A.

; APPLICANT: SCHMIDT, AZRIEL

; APPLICANT: RUTLEDGE, SU JANE

TITLE OF INVENTION: CDNA ENCODING A NOVEL HUMAN PROTEIN
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: J. MARK HAND - MERCK & CO., INC.
STREET: 126 E. LINCOLN AVE., P.O. BOX 2000
CITY: RAHWAY
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07065-0900
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/800,825A
FILING DATE: 14-FEB-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: HAND, J. MARK
REGISTRATION NUMBER: 36,545
REFERENCE/DOCKET NUMBER: 18992DA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-3905
TELEFAX: 732-594-4720
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1911 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-800-825A-5

Query Match 38.6%; Score 483.5; DB 2; Length 1911;
Best Local Similarity 42.0%; Pred. No. 8.3e-48;
Matches 100; Conservative 44; Mismatches 79; Indels 15; Gaps 6;
Qy 5 KNRVRLPYDSTRVPLG-----KNKDYINASYIRIVNHEEYFYIATQGPLPETIEDFW 59
Db 1671 KNRVLNIMPYESTRVCLQPIRGVSGDYINASFID--GYRQKAYIATQGPLAETTEDFW 1728
Qy 60 QMVLNNCNVMIATRIEICGVIKCYSWPISLKEPLEFEHFSVF--LETFHTVQYFTVRV 118
Db 1729 RMLWENNSTIVVMTKLREMGREKCHQWP--AERSARYQYFVVDPAEYNMPQYI-LRE 1785
Qy 119 PQIVKSTGSKQCVKHLQFTKWDHGTGPASADPFIKVYRVYRKSH----ITGPLLVHCSA 174
Db 1786 FKVTDARDGQSRTVRQFQFTDWPQGVKSGEGFIDFIGVHKTKQFGQDGPISVHCSA 1845
Qy 175 GVGRGTGVFICVDVVSFAIEKNYSFDIMNIVTQMRKQRCGMIOQTKEOYQFCYVEIVLEVL 232
Db 1846 GVGRGTGVFTLSIVLERMYEGVVDIFQTVKMLRTQRPAMVQTEDEYQFCYQAALLEYL 1903

RESULT 15

US-09-158-657-5
Sequence 5, Application US/09158657
Patent No. 6214564
GENERAL INFORMATION:
APPLICANT: RODAN, GIDEON A.
APPLICANT: SCHMIDT, AZRIEL
APPLICANT: RUTLEDGE, SU JANE
TITLE OF INVENTION: CDNA ENCODING A NOVEL HUMAN PROTEIN
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: J. MARK HAND - MERCK & CO., INC.
STREET: 126 E. LINCOLN AVE., P.O. BOX 2000
CITY: RAHWAY
STATE: NEW JERSEY
COUNTRY: USA

ZIP: 07065-0900
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/158,657
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/800,825
FILING DATE: 14-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: HAND, J. MARK
REGISTRATION NUMBER: 36,545
REFERENCE/DOCKET NUMBER: 18992DA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-3905
TELEFAX: 732-594-4720
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1911 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-158-657-5
Query Match 38.6%; Score 483.5; DB 3; Length 1911;
Best Local Similarity 42.0%; Pred. No. 8.3e-48;
Matches 100; Conservative 44; Mismatches 79; Indels 15; Gaps 6;
Qy 5 KNRVRLPYDSTRVPLG-----KNKDYINASYIRIVNHEEYFYIATQGPLPETIEDFW 59
Db 1671 KNRVLNIMPYESTRVCLQPIRGVSGDYINASFID--GYRQKAYIATQGPLAETTEDFW 1728
Qy 60 QMVLNNCNVMIATRIEICGVIKCYSWPISLKEPLEFEHFSVF--LETFHTVQYFTVRV 118
Db 1729 RMLWENNSTIVVMTKLREMGREKCHQWP--AERSARYQYFVVDPAEYNMPQYI-LRE 1785
Qy 119 PQIVKSTGSKQCVKHLQFTKWDHGTGPASADPFIKVYRVYRKSH----ITGPLLVHCSA 174
Db 1786 FKVTDARDGQSRTVRQFQFTDWPQGVKSGEGFIDFIGVHKTKQFGQDGPISVHCSA 1845
Qy 175 GVGRGTGVFICVDVVSFAIEKNYSFDIMNIVTQMRKQRCGMIOQTKEOYQFCYVEIVLEVL 232
Db 1846 GVGRGTGVFTLSIVLERMYEGVVDIFQTVKMLRTQRPAMVQTEDEYQFCYQAALLEYL 1903

Search completed: April 6, 2005, 15:45:02
Job time : 27.5702 secs

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OM protein - protein search, using sw model

Run on: April 6, 2005, 15:38:11 ; Search time 79.3699 Seconds
(without alignments)

974.619 Million cell updates/sec

Title: US-09-095-478a-6_COPY_225_457

Perfect score: 1253

Sequence: 1 QNRDKNRVRLPVDSTRVP.....MIQTKEQYQFCYBIVLEVLQ 233

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1418010 seqs, 331997259 residues

Total number of hits satisfying chosen parameters: 1418010

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
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- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
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- 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
- 19: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1253	100.0	354	10	US-09-095-478-6
2	1253	100.0	379	10	US-09-095-478-8
3	1253	100.0	426	10	US-09-095-478-1
4	1253	100.0	463	10	US-09-095-478-2
5	1174	93.7	412	10	US-09-095-478-3
6	1003	80.0	420	15	US-10-311-764-4
7	668	53.3	122	10	US-09-095-478-4
8	598.5	47.8	381	10	US-09-095-478-7
9	592.5	47.3	358	10	US-09-095-478-9
10	592.5	47.3	1267	14	US-10-060-065-35
11	592.5	47.3	1267	14	US-10-059-585-56
12	592.5	47.3	2466	14	US-10-177-980-12
13	592.5	47.3	2485	9	US-09-802-669-46

14	592.5	47.3	2485	15	US-10-619-220-46
15	592.5	47.3	2485	16	US-10-408-765A-1349
16	566	45.2	122	10	US-09-095-478-5
17	564	45.0	263	15	US-10-087-684-93
18	564	45.0	263	15	US-10-218-779-93
19	538	42.9	235	15	US-10-087-684-94
20	538	42.9	235	15	US-10-218-779-94
21	538	42.9	235	15	US-10-072-012-819
22	499	39.8	913	9	US-09-848-294-2
23	499	39.8	913	14	US-10-293-231-2
24	499	39.8	913	15	US-10-366-547-38
25	494	39.4	244	9	US-09-848-294-7
26	494	39.4	244	14	US-10-293-231-7
27	488.5	39.0	1948	9	US-09-808-602-55
28	488.5	39.0	1948	10	US-09-800-198-45
29	488	38.9	703	15	US-10-366-547-40
30	487	38.9	291	9	US-09-788-626-22
31	483.5	38.6	1502	9	US-09-808-602-54
32	483.5	38.6	1502	10	US-09-800-198-44
33	482.5	38.5	264	14	US-10-245-539-6
34	476.5	38.0	926	17	US-10-772-636-40
35	475	37.9	341	16	US-10-723-606-3
36	475	37.9	1337	14	US-10-390-501-2
37	475	37.9	1337	15	US-10-366-547-42
38	475	37.9	1337	15	US-10-366-547-44
39	475	37.9	1337	16	US-10-723-606-2
40	474.5	37.9	344	16	US-10-408-765A-1670
41	474.5	37.9	1912	17	US-10-772-636-64
42	469.5	37.5	312	15	US-10-634-027-6
43	469.5	37.5	319	15	US-10-634-027-7
44	469.5	37.5	336	15	US-10-634-027-4
45	469.5	37.5	1450	16	US-10-497-692-14

ALIGNMENTS

RESULT 1

US-09-095-478-6
; Sequence 6, Application US/09095478
; Publication No. US20030095970A1
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; TITLE OF INVENTION: NOVEL PROTEIN TYROSINE
; TITLE OF INVENTION: PHOSPHATASE SUPTP05 AND
; TITLE OF INVENTION: RELATED PRODUCTS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FASTSEQ for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/095,478
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 224/115

Sequence 46, Appl
Sequence 1349, Ap
Sequence 5, Appli
Sequence 93, Appl
Sequence 93, Appl
Sequence 94, Appl
Sequence 94, Appl
Sequence 819, App
Sequence 2, Appli
Sequence 2, Appli
Sequence 38, Appl
Sequence 7, Appli
Sequence 7, Appli
Sequence 55, Appl
Sequence 45, Appl
Sequence 45, Appl
Sequence 40, Appl
Sequence 40, Appl
Sequence 3, Appli
Sequence 2, Appli
Sequence 42, Appl
Sequence 44, Appl
Sequence 2, Appli
Sequence 1670, Ap
Sequence 64, Appl
Sequence 6, Appli
Sequence 7, Appli
Sequence 4, Appli
Sequence 14, Appl

```
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 354 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
US-09-095-478-6

Query Match      100.0%; Score 1253; DB 10; Length 354;
Best Local Similarity 100.0%; Pred. No. 9.5e-126;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QNRDKNRYRDLIPYDSTRVPLGKKNKYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
DB 118 QNRDKNRYRDLIPYDSTRVPLGKKNKYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 177
QY 61 MVLNNCNVIAITREIECGVIKCYSWPISLKEPLEFHSVLETFHVTQYFTVRVQ 120
DB 178 MVLNNCNVIAITREIECGVIKCYSWPISLKEPLEFHSVLETFHVTQYFTVRVQ 237
QY 121 IVKSTGSKQCVKHLQFTKWPDHGTDPASADFFIKYVYVRKSHITGPLLHVCSSAGVGRGTG 180
DB 238 IVKSTGSKQCVKHLQFTKWPDHGTDPASADFFIKYVYVRKSHITGPLLHVCSSAGVGRGTG 297
QY 181 VFICVDVVFSAIEKNYSFIDIMNIVTQMRKORCGMIQTKEQYQFCYEIVLEVLQ 233
DB 298 VFICVDVVFSAIEKNYSFIDIMNIVTQMRKORCGMIQTKEQYQFCYEIVLEVLQ 350

RESULT 2
US-09-095-478-8
; Sequence 8, Application US/09095478
; Publication No. US20030095970A1
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; TITLE OF INVENTION: NOVEL PROTEIN TYROSINE
; TITLE OF INVENTION: PHOSPHATASE SUPT05 AND
; TITLE OF INVENTION: RELATED PRODUCTS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/095,478
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 224/115
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 379 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
US-09-095-478-8

Query Match      100.0%; Score 1253; DB 10; Length 379;
Best Local Similarity 100.0%; Pred. No. 1e-125;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QNRDKNRYRDLIPYDSTRVPLGKKNKYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
DB 143 QNRDKNRYRDLIPYDSTRVPLGKKNKYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 202
QY 61 MVLNNCNVIAITREIECGVIKCYSWPISLKEPLEFHSVLETFHVTQYFTVRVQ 120
DB 203 MVLNNCNVIAITREIECGVIKCYSWPISLKEPLEFHSVLETFHVTQYFTVRVQ 262
QY 121 IVKSTGSKQCVKHLQFTKWPDHGTDPASADFFIKYVYVRKSHITGPLLHVCSSAGVGRGTG 180
DB 263 IVKSTGSKQCVKHLQFTKWPDHGTDPASADFFIKYVYVRKSHITGPLLHVCSSAGVGRGTG 322
QY 181 VFICVDVVFSAIEKNYSFIDIMNIVTQMRKORCGMIQTKEQYQFCYEIVLEVLQ 233
DB 323 VFICVDVVFSAIEKNYSFIDIMNIVTQMRKORCGMIQTKEQYQFCYEIVLEVLQ 375

RESULT 3
US-09-095-478-1
; Sequence 1, Application US/09095478
; Publication No. US20030095970A1
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; TITLE OF INVENTION: NOVEL PROTEIN TYROSINE
; TITLE OF INVENTION: PHOSPHATASE SUPT05 AND
; TITLE OF INVENTION: RELATED PRODUCTS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/095,478
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 224/115
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
```

```
;
; LENGTH: 426 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
US-09-095-478-1

Query Match      100.0%; Score 1253; DB 10; Length 426;
Best Local Similarity 100.0%; Pred. No. 1.2e-125;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 QNRDKNRVRLPYDSTRVPLGKKNKYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
Db 188 QNRDKNRVRLPYDSTRVPLGKKNKYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 247
Qy 61 MVLNENNCVMIATREIECGVVKCYSWPISLKEPPEHFSVLETFHVTQYFTRVFQ 120
Db 248 MVLNENNCVMIATREIECGVVKCYSWPISLKEPPEHFSVLETFHVTQYFTRVFQ 307
Qy 121 IVKSTGKSCQVHLQFTKWPDHGTTPASADFFIKYRVYVRKSHITGPLLHCSAGVGRGTG 180
Db 308 IVKSTGKSCQVHLQFTKWPDHGTTPASADFFIKYRVYVRKSHITGPLLHCSAGVGRGTG 367
Qy 181 VFICVDVVFSAIEKNYSFDIMNIVTQMRKQRCGMIOQKEQYQFCYEIVLEVLQ 233
Db 368 VFICVDVVFSAIEKNYSFDIMNIVTQMRKQRCGMIOQKEQYQFCYEIVLEVLQ 420

RESULT 4
US-09-095-478-2
; Sequence 2, Application US/09095478
; Publication No. US20030095970A1
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; TITLE OF INVENTION: NOVEL PROTEIN TYROSINE
; TITLE OF INVENTION: PHOSPHATASE SUPTP05 AND
; TITLE OF INVENTION: RELATED PRODUCTS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/095,478
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 224/115
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 463 amino acids
; TYPE: amino acid
; STRANDEDNESS: single

;
; LENGTH: 426 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
US-09-095-478-2

Query Match      100.0%; Score 1253; DB 10; Length 463;
Best Local Similarity 100.0%; Pred. No. 1.4e-125;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 QNRDKNRVRLPYDSTRVPLGKKNKYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
Db 225 QNRDKNRVRLPYDSTRVPLGKKNKYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 284
Qy 61 MVLNENNCVMIATREIECGVVKCYSWPISLKEPPEHFSVLETFHVTQYFTRVFQ 120
Db 285 MVLNENNCVMIATREIECGVVKCYSWPISLKEPPEHFSVLETFHVTQYFTRVFQ 344
Qy 121 IVKSTGKSCQVHLQFTKWPDHGTTPASADFFIKYRVYVRKSHITGPLLHCSAGVGRGTG 180
Db 345 IVKSTGKSCQVHLQFTKWPDHGTTPASADFFIKYRVYVRKSHITGPLLHCSAGVGRGTG 404
Qy 181 VFICVDVVFSAIEKNYSFDIMNIVTQMRKQRCGMIOQKEQYQFCYEIVLEVLQ 233
Db 405 VFICVDVVFSAIEKNYSFDIMNIVTQMRKQRCGMIOQKEQYQFCYEIVLEVLQ 457

RESULT 5
US-09-095-478-3
; Sequence 3, Application US/09095478
; Publication No. US20030095970A1
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; TITLE OF INVENTION: NOVEL PROTEIN TYROSINE
; TITLE OF INVENTION: PHOSPHATASE SUPTP05 AND
; TITLE OF INVENTION: RELATED PRODUCTS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/095,478
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 224/115
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 412 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
US-09-095-478-3
```

Query Match 93.7%; Score 1174; DB 10; Length 412;
Best Local Similarity 100.0%; Pred. No. 3.5e-117; Indels 0; Gaps 0;
Matches 218; Conservative 0; Mismatches 0;

QY 1 QNRDKNRVDRILPYDSTRVPLGKNDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
DB 188 QNRDKNRVDRILPYDSTRVPLGKNDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 247

QY 61 MVLNNCNVMIATREIECGVICKSYWPIISLKEPLEHFSVLETFHVTQYTVRVFQ 120
DB 248 MVLNNCNVMIATREIECGVICKSYWPIISLKEPLEHFSVLETFHVTQYTVRVFQ 307

QY 121 IVKSTGKSQCXKHLQFTKWDHGTGPASADFFIKYRVVRKSHITGPLLHVCSSAGVGTG 180
DB 308 IVKSTGKSQCXKHLQFTKWDHGTGPASADFFIKYRVVRKSHITGPLLHVCSSAGVGTG 367

QY 181 VFICVDVVFSAIEKNYSFDINNIIVTQMRKQRCGMIOQTK 218
DB 368 VFICVDVVFSAIEKNYSFDINNIIVTQMRKQRCGMIOQTK 405

RESULT 6

US-10-311-764-4
; Sequence 4, Application US/10311764
; Publication No. US20040023245A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.; AU-YOUNG, Janice K.
; APPLICANT: BAUGHN, Mariah R.; DING, Li
; APPLICANT: ELLIOTT, Vicki S.; GANDHI, Ameena R.
; APPLICANT: GRIFFIN, Jennifer A.; HAFALIA, April J.A.
; APPLICANT: KEARNEY, Liam; LEE, Ernestine A.
; APPLICANT: LU, Yan; NGUYEN, Daniel B.
; APPLICANT: ARVIZU, Chandra S.; RAMKUMAR, Jayalaxmi
; APPLICANT: REDDY, Roopa M.; SANJANWALA, Madhusudan M.
; APPLICANT: STEWART, Elizabeth A.; TANG, Y. Tom
; APPLICANT: THORNTON, Michael B.; TRIBOULEY, Catherine M.
; APPLICANT: CHAWLA, Narinder K.; YANG, Junming
; APPLICANT: YAO, Monique G.; YUE, Henry
; TITLE OF INVENTION: PROTEIN PHOSPHATASES
; FILE REFERENCE: PI-0126 USN
; CURRENT APPLICATION NUMBER: US/10/311,764
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/US01/19442
; PRIOR FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/212,447
; PRIOR FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: US 60/213,746
; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: US 60/215,210
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: US 60/216,529
; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: US 60/218,080
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/220,117
; PRIOR FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PERL Program
; SEQ ID NO 4
; LENGTH: 420
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20040023245A1 7475861CD1
US-10-311-764-4

Query Match 80.0%; Score 1003; DB 15; Length 420;
Best Local Similarity 78.9%; Pred. No. 8.3e-99;
Matches 183; Conservative 24; Mismatches 25; Indels 0; Gaps 0;

QY 2 NRDKNRVDRILPYDSTRVPLGKNDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 61

DB 183 NREKNRVDRILPYDSTRVPLGKNDYINASYIRIVNHEEYFYIATQGPLSTIDDFWQ 242

QY 62 VLENNCNVMIATREIECGVICKSYWPIISLKEPLEHFSVLETFHVTQYTVRVFQ 121

DB 243 VLENNCNVMIATREIECGVICKSYWPIISLKEPLEHFSVLETFHVTQYTVRVFQ 302

QY 122 VKSTGKSQCXKHLQFTKWDHGTGPASADFFIKYRVVRKSHITGPLLHVCSSAGVGTG 181

DB 303 VKSTGTSVSHVKQLQFTKWDHGTGPASADFFIKYRVVRKSHITGPMVHCSAGIGRTG 362

QY 182 FICVDVVFSAIEKNYSFDINNIIVTQMRKQRCGMIOQTKQYQVCVEIVLEVLQ 233

DB 363 FICVDVVFSAIEKNYSFDINNIIVTQMRKQRCGMIOQTKQYQVCVEIVLEVLQ 414

RESULT 7

US-09-095-478-4
; Sequence 4, Application US/09095478
; Publication No. US20030095970A1
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; TITLE OF INVENTION: NOVEL PROTEIN TYROSINE
; TITLE OF INVENTION: PHOSPHATASE SUPT05 AND
; TITLE OF INVENTION: RELATED PRODUCTS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/095,478
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 224/115
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 122 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
US-09-095-478-4

Query Match 53.3%; Score 668; DB 10; Length 122;
Best Local Similarity 100.0%; Pred. No. 1.5e-63;
Matches 122; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 57 DFQWQVLENNCNVMIATREIECGVICKSYWPIISLKEPLEHFSVLETFHVTQYTV 116

DB 1 DFQWQVLENNCNVMIATREIECGVICKSYWPIISLKEPLEHFSVLETFHVTQYTV 60

Qy 117 RVFQIVKXGKSCQVHLOFTKPDHGTASADFFIKYVYVRKSHITGPLLHVCAGV 176
 Db 61 RVFQIVKXGKSCQVHLOFTKPDHGTASADFFIKYVYVRKSHITGPLLHVCAGV 120
 Qy 177 GR 178
 Db 121 GR 122

RESULT 8
 US-09-095-478-7
 ; Sequence 7, Application US/09095478
 ; Publication No. US20030095970A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Florman, Gregory
 ; TITLE OF INVENTION: NOVEL PROTEIN TYROSINE
 ; TITLE OF INVENTION: PHOSPHATASE SUPTP05 AND
 ; TITLE OF INVENTION: RELATED PRODUCTS AND
 ; TITLE OF INVENTION: METHODS
 ; NUMBER OF SEQUENCES: 25
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Lyon & Lyon
 ; STREET: 633 West Fifth Street
 ; CITY: Los Angeles
 ; STATE: California
 ; COUNTRY: U.S.A.
 ; ZIP: 90071-2066
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 ; MEDIUM TYPE: storage
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: IBM P.C. DOS 5.0
 ; SOFTWARE: FastSEQ for Windows 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/095,478
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER:
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Warburg, Richard J.
 ; REGISTRATION NUMBER: 32,327
 ; REFERENCE/DOCKET NUMBER: 224/115
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (213) 489-1600
 ; TELEFAX: (213) 955-0440
 ; TELEX: 67-3510
 ; INFORMATION FOR SEQ ID NO: 7:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 381 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: Peptide
 US-09-095-478-7

Query Match 47.8%; Score 598.5; DB 10; Length 381;
 Best Local Similarity 50.0%; Pred. No. 2e-55;
 Matches 118; Conservative 37; Mismatches 74; Indels 7; Gaps 3;
 Qy 1 QNRDKNRYRDLPYDSTRVPLGKNDYINASYIRIVNHHEEYFYIATQGPLPETIEDFWQ 60
 Db 144 ENRRKNRYKNILPYDTRVPLGDEGGYINASFILPVCTQFVVIACQGPLTTVGDFWQ 203
 Qy 61 MVLNNCNVMIATIRETECGVICKYSWPISL-KEPFEHFSVPLETFHVTQYTVRVF 119
 Db 204 MWEGNSTVIAMTQVEGEKIKQRYWPSILGTTTANERLRLALLRMQQLKGFVRVM 263
 Qy 120 QIVKXGKSCQVHLOFTKPDHGTASAD---FFIKYVYVRKSHITGPLLHVCAGV 176
 Db 264 ALEDIQTEVRHISHLNFTAWPDHDTSPQDDLLTFISYMRHRS---GPVITHCSAGI 320

Qy 177 GRTGVFCVDVWFSAEIKNYSFDIMNIVTQMRKQRCGMIOTKBOYQFCYEIVLEV 232
 Db 321 GRSCTGLCIDVGLIGSQDLEFDISDLVRCNRLQRHGMVQTEGQVFCYQVILVYL 376
 RESULT 9
 US-09-095-478-9
 ; Sequence 9, Application US/09095478
 ; Publication No. US20030095970A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Florman, Gregory
 ; TITLE OF INVENTION: NOVEL PROTEIN TYROSINE
 ; TITLE OF INVENTION: PHOSPHATASE SUPTP05 AND
 ; TITLE OF INVENTION: RELATED PRODUCTS AND
 ; TITLE OF INVENTION: METHODS
 ; NUMBER OF SEQUENCES: 25
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Lyon & Lyon
 ; STREET: 633 West Fifth Street
 ; CITY: Los Angeles
 ; STATE: California
 ; COUNTRY: U.S.A.
 ; ZIP: 90071-2066
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 ; MEDIUM TYPE: storage
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: IBM P.C. DOS 5.0
 ; SOFTWARE: FastSEQ for Windows 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/095,478
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER:
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Warburg, Richard J.
 ; REGISTRATION NUMBER: 32,327
 ; REFERENCE/DOCKET NUMBER: 224/115
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (213) 489-1600
 ; TELEFAX: (213) 955-0440
 ; TELEX: 67-3510
 ; INFORMATION FOR SEQ ID NO: 9:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 358 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: Peptide
 US-09-095-478-9

Query Match 47.3%; Score 592.5; DB 10; Length 358;
 Best Local Similarity 47.6%; Pred. No. 8.1e-55;
 Matches 111; Conservative 41; Mismatches 80; Indels 1; Gaps 1;
 Qy 1 QNRDKNRYRDLPYDSTRVPLGKNDYINASYIRIVNHHEEYFYIATQGPLPETIEDFWQ 60
 Db 121 ENRRKNRYKNILPYDTRVPLGDEGGYINASFILPVKEEFVVIACQGPLTTVGDFWQ 180
 Qy 61 MVLNNCNVMIATIRETECGVICKYSWPISL-KEPFEHFSVPLETFHVTQYTVRVF 119
 Db 181 MIWEQNSTVIAMTQVEGEKIKQRYWPSILGTTTANERLRLALLRMQQLKGFVRVM 240
 Qy 120 QIVKXGKSCQVHLOFTKPDHGTASADFFIKYVYVRKSHITGPLLHVCAGV 179
 Db 241 TLEDIQTEVRHISHLNFTAWPDHDTSPQDDLLTFISYMRHRS---GPVITHCSAGI 300
 Qy 180 GVFICVDVWFSAEIKNYSFDIMNIVTQMRKQRCGMIOTKBOYQFCYEIVLEV 232

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Db 301 GTLICIDVVGLISQDLDFDISDLVRCMLQRHGMVQTEDQYFCYQVILYVL 353

RESULT 10
US-10-060-065-35
; Sequence 35, Application US/10060065
; Publication No. US20030017480A1
; GENERAL INFORMATION:
; APPLICANT: Toshio Ota
; APPLICANT: Takao Isogai
; APPLICANT: Tetsuo Nishikawa
; APPLICANT: Koji Hayashi
; APPLICANT: Kaoru Otsuka
; APPLICANT: Jun-ichi Yamamoto
; APPLICANT: Shizuko Ishii
; APPLICANT: Tomoyasu Sugiyama
; APPLICANT: Ai Wakamatsu
; APPLICANT: Keiichi Nagai
; APPLICANT: Tetsuji Otsuki
; APPLICANT: Shin-ichi Funahashi
; APPLICANT: Chiaki Sencio
; APPLICANT: Jun-ichi Nezu
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN KINASE/PROTEIN PHOSPHATASE
; FILE REFERENCE: 06501-099002
; CURRENT APPLICATION NUMBER: US/10/060,065
; CURRENT FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: PCT/JP00/05061
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: US 60/159,590
; PRIOR FILING DATE: 1999-10-18
; PRIOR APPLICATION NUMBER: US 60/183,322
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: JP 11-248036
; PRIOR FILING DATE: 1999-07-29
; PRIOR APPLICATION NUMBER: JP 2000-118776
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: JP 2000-183767
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: JP 2000-241899
; PRIOR FILING DATE: 2000-06-09
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 35
; LENGTH: 1267
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-060-065-35

Query Match 47.3%; Score 592.5; DB 14; Length 1267;
Best Local Similarity 47.6%; Pred. No. 4.2e-54;
Matches 111; Conservative 41; Mismatches 80; Indels 1; Gaps 1;

QY 1 QNRDKNRYRDLPLVDSTRVPLGKNKDYINASYIRIVNHEEYFYIATOGPLPETIEDFWQ 60
Db 1018 ENRRKNRYNLPDYATRPVLDGGYINASFIPVKGEEFYIACQGLPTTVGDFWQ 1077

QY 61 MVLNNCNVMIATREIECGVIKCYSWPISL-KEPFEFEHFSVFLTEFHTVQYFTVRVF 119
Db 1078 MIWEQKSTVIAMWTQVEGEKIKQRYWPNILGKTTMVSNRLRLALVRMQLKGFVVRAM 1137

QY 120 QIVKSTGKSCQVKHLOFTKWDHGTTPASADFFIKYRVYRKSHITGPLLVHCSAGVRT 179
Db 1138 TLEDIQTRVHRHISHLNFTAMPDHDTPSQPDLLTFTSYMRHHRSGPIITHCSAGIGRS 1197

QY 180 GVFIQVDVWFSAIEKNYSFDIMNIVTQMRKQRCMIOTKEQYQFCYBEIVLEVL 232
Db 1198 GTLICIDVVGLISQDLDFDISDLVRCMLQRHGMVQTEDQYFCYQVILYVL 1250

RESULT 11
US-10-059-585-56
; Sequence 56, Application US/10059585
; Publication No. US2003008276A1
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; GENERAL INFORMATION:
; APPLICANT: Ota, Toshio
; APPLICANT: Isogai, Takao
; APPLICANT: Nishikawa, Tetsuo
; APPLICANT: Hayashi, Koji
; APPLICANT: Otsuka, Kaoru
; APPLICANT: Yamamoto, Jun-ichi
; APPLICANT: Ishii, Shizuko
; APPLICANT: Sugiyama, Tomoyasu
; APPLICANT: Wakamatsu, Ai
; APPLICANT: Nagai, Keiichi
; APPLICANT: Otsuki, Tetsuji
; APPLICANT: Funahashi, Shin-ichi
; APPLICANT: Sencio, Chiaki
; APPLICANT: Nezu, Jun-ichi
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN
; FILE REFERENCE: 06501-098001
; CURRENT APPLICATION NUMBER: US/10/059,585
; CURRENT FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: PCT/JP00/05060
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: US 60/183,322
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: US 60/159,590
; PRIOR FILING DATE: 1999-10-18
; PRIOR APPLICATION NUMBER: JP 2000-118776
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: JP 2000-183767
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: JP 11-248036
; PRIOR FILING DATE: 1999-07-29
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 56
; LENGTH: 1267
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-059-585-56
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Query Match 47.3%; Score 592.5; DB 14; Length 1267;
Best Local Similarity 47.6%; Pred. No. 4.2e-54;
Matches 111; Conservative 41; Mismatches 80; Indels 1; Gaps 1;

QY 1 QNRDKNRYRDLPLVDSTRVPLGKNKDYINASYIRIVNHEEYFYIATOGPLPETIEDFWQ 60
Db 1018 ENRRKNRYNLPDYATRPVLDGGYINASFIPVKGEEFYIACQGLPTTVGDFWQ 1077

QY 61 MVLNNCNVMIATREIECGVIKCYSWPISL-KEPFEFEHFSVFLTEFHTVQYFTVRVF 119
Db 1078 MIWEQKSTVIAMWTQVEGEKIKQRYWPNILGKTTMVSNRLRLALVRMQLKGFVVRAM 1137

QY 120 QIVKSTGKSCQVKHLOFTKWDHGTTPASADFFIKYRVYRKSHITGPLLVHCSAGVRT 179
Db 1138 TLEDIQTRVHRHISHLNFTAMPDHDTPSQPDLLTFTSYMRHHRSGPIITHCSAGIGRS 1197

QY 180 GVFIQVDVWFSAIEKNYSFDIMNIVTQMRKQRCMIOTKEQYQFCYBEIVLEVL 232
Db 1198 GTLICIDVVGLISQDLDFDISDLVRCMLQRHGMVQTEDQYFCYQVILYVL 1250
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RESULT 12
US-10-177-980-12
; Sequence 12, Application US/10177980
; Publication No. US20030166232A1
; GENERAL INFORMATION:
; APPLICANT: Saras, Jan
; APPLICANT: Franz, Petra
; APPLICANT: Aspenstrm, Pontus
; APPLICANT: Hellman, Ulf
; APPLICANT: Genez, Leonel Jorge
; APPLICANT: Heldin, Carl-Henrik
; TITLE OF INVENTION: PARG, A GIPASE ACTIVATING PROTEIN WHICH INTERACTS WITH PTPLI
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FILE REFERENCE: L0461/7030
CURRENT APPLICATION NUMBER: US/10/177,980
CURRENT FILING DATE: 2002-06-21
PRIORITY FILING DATE: US/09/080,855
PRIORITY FILING DATE: 1998-05-18
PRIORITY FILING DATE: 1998-05-18
PRIORITY FILING DATE: 1997-02-25
NUMBER OF SEQ ID NOS: 39
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 12
LENGTH: 2466
TYPE: PRT
ORGANISM: Homo sapiens
US-10-177-980-12

Query Match 47.3%; Score 592.5; DB 14; Length 2466;
Best Local Similarity 47.6%; Pred. No. 1e-53;
Matches 111; Conservative 41; Mismatches 80; Indels 1; Gaps 1;

Qy 1 QNRDKRYRDLPYDSTRVPLGKNDYINASYIRVNHHEEYFYIATQGPLPETIEDFWQ 60
Db 2217 ENRRKNRYKNILPYDATRVPLGDEGGYINASFIPVKGEEFVYIACQGPLTTVGDFWQ 2276

Qy 61 MVLNNCNVIAITREIECGVVKCYSWPISL-KEPLEFEHFSVLETFHTVQYFTRVF 119
Db 2277 MIWEQKSTVIAMTQVEGEKIKQRYWPNILGKTTWVSNRLALVRMQQLKGFVVRAM 2336

Qy 120 QIVKSTGKSCQVHLOFTKWPDHGTTPASADFFIKYVRYVRKSHITGPLLHVCAGVGR 179
Db 2337 TLEDIQTREVRHISHLNFTAMPDHDTPSQPDLLTFISYMRHHRSGPIITHCSAGIGRS 2396

Qy 180 GVFCIDVDFSAIEKNYSFIDIMNIVTOMRKQRCGMIOQKEQYQCYEIVLEVL 232
Db 2397 GTLICIDVGLISQDLDFDISLVRCLQRHGMVQTEDQYIFCYQVILYVL 2449

RESULT 13
US-09-802-669-46
Sequence 46, Application US/09802669
Patent No. US20020004490A1
GENERAL INFORMATION:
APPLICANT: Dean, Nicholas M.
APPLICANT: Marcussen, Eric G.
APPLICANT: Wyatt, Jacqueline
APPLICANT: Zhang, Hong
TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
FILE REFERENCE: ISPH-545
CURRENT APPLICATION NUMBER: US/09/802,669
PRIORITY FILING DATE: 2001-03-09
PRIORITY FILING DATE: 2000-09-18
PRIORITY FILING DATE: 1999-04-12
NUMBER OF SEQ ID NOS: 180
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 46
LENGTH: 2485
TYPE: PRT
ORGANISM: Homo sapiens
US-09-802-669-46

Query Match 47.3%; Score 592.5; DB 9; Length 2485;
Best Local Similarity 47.6%; Pred. No. 1e-53;
Matches 111; Conservative 41; Mismatches 80; Indels 1; Gaps 1;

Qy 1 QNRDKRYRDLPYDSTRVPLGKNDYINASYIRVNHHEEYFYIATQGPLPETIEDFWQ 60
Db 2236 ENRRKNRYKNILPYDATRVPLGDEGGYINASFIPVKGEEFVYIACQGPLTTVGDFWQ 2295

Qy 61 MVLNNCNVIAITREIECGVVKCYSWPISL-KEPLEFEHFSVLETFHTVQYFTRVF 119
Db 2296 MIWEQKSTVIAMTQVEGEKIKQRYWPNILGKTTWVSNRLALVRMQQLKGFVVRAM 2355

Qy 120 QIVKSTGKSCQVHLOFTKWPDHGTTPASADFFIKYVRYVRKSHITGPLLHVCAGVGR 179
Db 2356 TLEDIQTREVRHISHLNFTAMPDHDTPSQPDLLTFISYMRHHRSGPIITHCSAGIGRS 2415

Qy 180 GVFCIDVDFSAIEKNYSFIDIMNIVTOMRKQRCGMIOQKEQYQCYEIVLEVL 232
Db 2416 GTLICIDVGLISQDLDFDISLVRCLQRHGMVQTEDQYIFCYQVILYVL 2468

RESULT 15
US-10-408-765A-1349
Sequence 1349, Application US/10408765A
Publication No. US20040101874A1
GENERAL INFORMATION:
APPLICANT: Ghosh, Soumitra S.
APPLICANT: Fahy, Eoin D.
APPLICANT: Zhang, Bing
APPLICANT: Gibson, Bradford W.
APPLICANT: Taylor, Steven W.
APPLICANT: Glenn, Gary M.
APPLICANT: Warnock, Dale E.
TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
FILE REFERENCE: 660088.465
CURRENT APPLICATION NUMBER: US/10/408,765A
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; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1349
; LENGTH: 2485
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-1349

Query Match      47.3%; Score 592.5; DB 16; Length 2485;
Best Local Similarity 47.6%; Pred. No. 1e-53;
Matches 111; Conservative 41; Mismatches 80; Indels 1; Gaps 1;

Qy      1 QNRDKNRYRDILPYDSTFVPLGKKNKYINASVIRIVNHEEYFYIATCGPLPETIEDFWQ 60
Db      2236 ENRRKNRYKNILPYDATRVPLGDEGGYINASFIPVGKEEFVYIACQGPLTTVGDFWQ 2295

Qy      61 MVLNNCNVIAMITREIECGVIKCYSYMPISL-KEPLEFEHFSVLETFHVTOYFTVRVF 119
Db      2296 MWEQKSTVIAMTQVEVEGEKIKCORYWPNILGKTTWVSNELRLALVRMQQLKGFVVRAM 2355

Qy      120 QIVKSTGKSCVHQLQFTKWPDHGTPASADFFIKYRVYVRKSHITGPLLWHCSAGVGR 179
Db      2356 TLEDIQTRVHRHISHLNFTAWPDHDTSPQDDLLTFISYMRHHRSGPIITHCSAGIGRS 2415

Qy      180 GVFIQVDVWVSAIEKNYSFDIMNIVTQMRKORCGMIQTKEOYQFCYEIVLVL 232
Db      2416 GTLICIDVVLGLISQDLDFDISLVRCMLQRHGVQVEDQIIFCYVILIVL 2468

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Search completed: April 6, 2005, 16:05:13
Job time : 80.3699 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 6, 2005, 15:11:56 ; Search time 24.8596 Seconds
(without alignments)
654.615 Million cell updates/sec

Title: US-09-095-478A-7_COPY_188_405

Perfect score: 1174

Sequence: 1 QNRDNRYRDLPLDYSTRVP.....DIMNIVTQMRKQRCGMITQK 218

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.*

1: /cgm2_6/ptodata/1/iaa/5A_COMB.pap.*
2: /cgm2_6/ptodata/1/iaa/5B_COMB.pap.*
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6: /cgm2_6/ptodata/1/iaa/backfiles.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	541.5	46.1	2465	2	US-08-596-291-3
2	541.5	46.1	2465	3	US-09-100-804-3
3	541.5	46.1	2466	3	US-09-080-855-12
4	541.5	46.1	2466	4	US-09-566-076-12
5	541.5	46.1	2466	5	PCT-US94-09943-2
6	541.5	46.1	2485	3	US-09-290-640-46
7	541.5	46.1	2485	4	US-09-665-615B-46
8	467	39.8	913	4	US-09-848-294-2
9	462.5	39.4	278	1	US-08-201-697-16
10	462	39.4	231	2	US-08-446-345-37
11	462	39.4	244	4	US-09-848-294-7
12	456	38.8	242	2	US-08-685-992-21
13	456	38.8	242	2	US-09-144-925-21
14	445.5	37.9	1903	4	US-09-949-016-8049
15	445.5	37.9	1997	4	US-09-949-016-8275
16	444	37.8	1337	3	US-08-854-585-2
17	444	37.8	1337	4	US-09-447-533-2
18	444	37.8	1337	5	PCT-US95-05512-2
19	439.5	37.4	232	2	US-08-446-345-38
20	434	37.0	296	4	US-10-374-539-2
21	434	37.0	1457	2	US-08-652-971-3
22	434	37.0	1457	2	US-08-449-644-1
23	434	37.0	1457	2	US-08-087-244A-1
24	434	37.0	1457	2	US-08-991-258A-3
25	434	37.0	1457	2	US-08-769-399-3
26	434	37.0	1457	3	US-08-991-953A-3
27	432.5	36.8	1911	1	US-08-348-006B-5

Query Match 46.1%; Score 541.5; DB 2; Length 2465;
Best Local Similarity 47.0%; Pred. No. 3.6e-53;

ALIGNMENTS

RESULT 1

US-08-596-291-3
; Sequence 3, Application US/08596291
; Patent No. 5821075
; GENERAL INFORMATION:

APPLICANT: GONEZ, LEONEL JORGE
APPLICANT: SARAS, JAN

APPLICANT: CLAESSON-WELSH, LENA
APPLICANT: HELDIN, CARL-HENRIK

TITLE OF INVENTION: PRIMARY STRUCTURE AND FUNCTIONAL
TITLE OF INVENTION: EXPRESSION OF NUCLEOTIDE SEQUENCES FOR NOVEL PROTEIN

TITLE OF INVENTION: TYROSINE PHOSPHATASES
NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:

ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE

CITY: BOSTON
STATE: MASSACHUSETTS

COUNTRY: USA
ZIP: 02210

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/596,291
FILING DATE: 09-AUG-1996

CLASSIFICATION: 435
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/115,573
FILING DATE: 01-SEP-1993

ATTORNEY/AGENT INFORMATION:

NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616

REFERENCE/DOCKET NUMBER: LO461/7000
TELECOMMUNICATION INFORMATION:

TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441

TELEX: 92-1742 EZEKIEL
INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 2465 amino acids
TYPE: amino acid

TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-596-291-3

Sequence 5, Appli
Sequence 5, Appli
Sequence 5, Appli
Sequence 9, Appli
Sequence 14, Appli
Sequence 14, Appli
Sequence 8833, Ap
Sequence 8834, Ap
Sequence 8835, Ap
Sequence 8836, Ap
Sequence 8837, Ap
Sequence 8838, Ap
Sequence 8051, Ap
Sequence 8052, Ap
Sequence 8053, Ap
Sequence 8054, Ap
Sequence 8055, Ap

28 432.5 36.8 1911 2 US-08-800-825A-5
29 432.5 36.8 1911 3 US-09-158-657-5
30 432.5 36.8 1911 5 PCT-US94-10166-5
31 432 36.8 246 4 US-09-848-294-9
32 431.5 36.8 254 2 US-08-685-992-14
33 431.5 36.8 254 2 US-09-144-925-14
34 431 36.7 506 4 US-09-949-016-8833
35 431 36.7 506 4 US-09-949-016-8834
36 431 36.7 506 4 US-09-949-016-8835
37 431 36.7 506 4 US-09-949-016-8836
38 431 36.7 506 4 US-09-949-016-8837
39 431 36.7 506 4 US-09-949-016-8838
40 431 36.7 1188 1 US-08-201-697-4
41 431 36.7 1246 4 US-09-949-016-8051
42 431 36.7 1246 4 US-09-949-016-8052
43 431 36.7 1246 4 US-09-949-016-8053
44 431 36.7 1246 4 US-09-949-016-8054
45 431 36.7 1246 4 US-09-949-016-8055

Matches	103;	Conservative	37;	Mismatches	78;	Indels	1;	Gaps	1;
Qy	1	QNDRKNRYRDL	PYDSTRVRLGKNDKYINASIRIVNHBEERYFIATQGGLPETIEDFWQ	60					
Db	2216	ENRRKNRYKNILPYDA	TRETEBGGYGGINASFIKIPUGKEEFVIACQGFLPITTVGDGWQ	2275					
Qy	61	MVLNNCNVTAMITREJECGVICYSWNPISL-KEPLEFEHFHSVFLETFHTVQTPTVRVP	119						
Db	2276	MIWEQRSTVIAMTTOEVEGEKIKCRQYPNPLIGKTTMVSNRLRALVRMOOLKGFFVVRAM	2335						
Qy	120	QIVKCKSGSQCVKHQLFTKWPHDGTSPASADFFIKVYRVYRKSHITGGLLVHCSAGVGRT	179						
Db	2336	TLEDIQTRFVRVHHLSHLNTAAMPDHDPQPQDDLLTFISYMRHHRSGPIITHCSAGIGRS	2395						
Qy	180	GVFCVDWFSAIEKNYSFDIMNVITOMRKORCGMIOTK	218						
Db	2396	GTLICIDVVLGLISQDLDFDISLRVMRIQRHGHWOTE	2434						

RESULT 2
 US-09-100-804-3
 ; Sequence 3, Application US/09100804
 ; Patent No. 6066472
 ; GENERAL INFORMATION:
 ; APPLICANT: GONEZ, LEONEL JORGE
 ; APPLICANT: SARAS, JAN
 ; APPLICANT: CLAESSON-WELSH, LENA
 ; APPLICANT: HELDIN, CARL-HENRIK
 ; TITLE OF INVENTION: PRIMARY STRUCTURE AND FUNCTIONAL
 ; TITLE OF INVENTION: EXPRESSION OF NUCLEOTIDE SEQUENCES FOR NOVEL PROTEIN
 ; TITLE OF INVENTION: TYROSINE PHOSPHATASES
 ; NUMBER OF SEQUENCES: 34
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
 ; STREET: 600 ATLANTIC AVENUE
 ; CITY: BOSTON
 ; STATE: MASSACHUSETTS
 ; COUNTRY: USA
 ; ZIP: 02210
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/100,804
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/596,291
 ; FILING DATE: 09-AUG-1996
 ; APPLICATION NUMBER: US 08/115,573
 ; FILING DATE: 01-SEP-1993
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US94/09943
 ; FILING DATE: 01-SEP-1994
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: GATES, EDWARD R.
 ; REGISTRATION NUMBER: 31,616
 ; REFERENCE/DOCKET NUMBER: LQ461/7003
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 617-720-3500
 ; TELEFAX: 617-720-2441
 ; TELEX:
 ; INFORMATION FOR SEQ ID NO: 3:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2465 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-09-100-804-3

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Best Local Similarity 47.0%; Pred. No. 3.6e-53;
Matches 103; Conservative 37; Mismatches 78; Indels 1; Gaps 1;

QY 1 QNRDKNRYRDIIPYDSTRVPLGKNKDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
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Db 2216 ENRRKNRYKNLLPYDATRVPLGDEGGYINASPIKIPVGKEEFYIACQGPLPTTVGDFWQ 2275
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QY 61 MVLENKCNVIAMITREIBCGVIKCYISWYISL-KEPLEFEHFSVLETHVTOYFTVRVRF 119
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Db 2276 MIWEQKSTVIAMTQVEGEKIKCQRYWNLILGKTTWVSNRLRLALVRMQQLKGFVVVRAM 2335
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QY 120 QIVKKSQKSGCQVKHIOFTKWDPHGTSPASADPFKIVRYVRKSHITGPLLHVCSAGVGRT 179
    :||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 2336 TLEDIQTRVVRHISHLNFTAWPDHDTSPQDDLLLTFTSYRHHRSRSGPIITHCSAGIGRS 2395
    :||:||||:||||:||||:||||:||||:||||:||||:||||:||||:

QY 180 GVFIQVDVFSIAEKYNSYFDIMNIVTQMRKQRCGMIOTK 218
    :||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 2396 GTLICIDVWGLGISODLDFDISDLVRCMRLQRHGMVQTE 2434
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RESULT 3
US-09-080-855-12
; Sequence 12, Application US/09080855A
; Patent No. 6083721
; GENERAL INFORMATION:
; APPLICANT: Saras, Jan
; APPLICANT: Franzn, Petra
; APPLICANT: Aspenstrm, Pontus
; APPLICANT: Hellman, Ulf
; APPLICANT: Gonez, Leonel Jorge
; APPLICANT: Heldin, Carl-Henrik
; TITLE OF INVENTION: PARQ, A GTPASE ACTIVATING PROTEIN WHICH INTERACTS WITH PTP
; FILE REFERENCE: L0461/7030
; CURRENT APPLICATION NUMBER: US/09/080,855A
; CURRENT FILING DATE: 1998-05-18
; EARLIER APPLICATION NUMBER: 08/805,583
; EARLIER FILING DATE: 1997-02-25
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 12
; LENGTH: 2466
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-080-855-12

```

RESULT 4
US-09-566-076-12
; Sequence 12, Application US/09556076
; Patent No. 6475775
; GENERAL INFORMATION:
; APPLICANT: Saras, Jan
; APPLICANT: Franz, Petra

```

; APPLICANT: Aspenstrm, Pontus
; APPLICANT: Hellman, Ulf
; APPLICANT: Genez, Leonel Jorge
; APPLICANT: Heldin, Carl-Henrik
; TITLE OF INVENTION: PARG, A GTPASE ACTIVATING PROTEIN WHICH INTERACTS WITH PTP11
; FILE REFERENCE: L0461/7030
; CURRENT APPLICATION NUMBER: US/09/566,076
; CURRENT FILING DATE:
; EARLIER APPLICATION NUMBER: 09/080,855
; EARLIER FILING DATE: 1998-05-18
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 12
; LENGTH: 2466
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-566-076-12

Query Match 46.1%; Score 541.5; DB 4; Length 2466;
Best Local Similarity 47.0%; Pred. No. 3.6e-53;
Matches 103; Conservative 37; Mismatches 78; Indels 1; Gaps 1;

Qy 1 QNRDKRYRDILPYDSTRVPLGKKNKDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
Db 2217 ENRRKNRYKNILPYDATRVPLGDEGGYINASFIKIPVKEEFVYIACQGPLTTVGDFWQ 2276

Qy 61 MVLNNCNVIAITREIECGVIKCYSWPISL-KEPLEFEHFSVLETFHTVYTVRVF 119
Db 2277 MIWEQKSTVIAMTQVEGEKIKQRYWPNILGKTTMVSNRLRLALVRMQLKGFVVVRAM 2336

Qy 120 QIVKSTGKSCQVHLQFTKWPDHGTPASADFFIKYRYVRKSHITGPLLHVCAGVGR 179
Db 2337 TLEDIOTREVRHISHLNFTAMPDHDTPSQDDLLTFISYMRHHRSGPIITHCSAGIGRS 2396

Qy 180 GVFCVDVWFSAEIKNSYFDIMNIVTOMRKQRCMIQTK 218
Db 2397 GTLICIDVVLGLISQDLDFDISLVRMRLQRHGWQTE 2435

RESULT 5
PCT-US94-09943-2
; Sequence 2, Application PC/TUS9409943
; GENERAL INFORMATION:
; APPLICANT:
; APPLICANT:
; APPLICANT:
; APPLICANT:
; TITLE OF INVENTION: PRIMARY STRUCTURE AND FUNCTIONAL
; TITLE OF INVENTION: EXPRESSION OF NUCLEOTIDE SEQUENCES FOR NOVEL PROTEIN
; TITLE OF INVENTION: TYROSINE PHOSPHATASES
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/09943
; FILING DATE: 01-SEP-1994
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/115,573
; FILING DATE: 01-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: TWOMEY, MICHAEL J.
; REGISTRATION NUMBER: P-38,349
; REFERENCE/DOCKET NUMBER: L0461/7000WO

```

```

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; TELEX: 92-1742 EZEKIEL
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2466 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US94-09943-2

Query Match 46.1%; Score 541.5; DB 5; Length 2466;
Best Local Similarity 47.0%; Pred. No. 3.6e-53;
Matches 103; Conservative 37; Mismatches 78; Indels 1; Gaps 1;

Qy 1 QNRDKRYRDILPYDSTRVPLGKKNKDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
Db 2217 ENRRKNRYKNILPYDATRVPLGDEGGYINASFIKIPVKEEFVYIACQGPLTTVGDFWQ 2276

Qy 61 MVLNNCNVIAITREIECGVIKCYSWPISL-KEPLEFEHFSVLETFHTVYTVRVF 119
Db 2277 MIWEQKSTVIAMTQVEGEKIKQRYWPNILGKTTMVSNRLRLALVRMQLKGFVVVRAM 2336

Qy 120 QIVKSTGKSCQVHLQFTKWPDHGTPASADFFIKYRYVRKSHITGPLLHVCAGVGR 179
Db 2337 TLEDIOTREVRHISHLNFTAMPDHDTPSQDDLLTFISYMRHHRSGPIITHCSAGIGRS 2396

Qy 180 GVFCVDVWFSAEIKNSYFDIMNIVTOMRKQRCMIQTK 218
Db 2397 GTLICIDVVLGLISQDLDFDISLVRMRLQRHGWQTE 2435

RESULT 6
US-09-290-640-46
; Sequence 46, Application US/09290640
; Patent No. 6204055
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcussen, Eric G.
; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-0351
; CURRENT FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 46
; LENGTH: 2485
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-290-640-46

Query Match 46.1%; Score 541.5; DB 3; Length 2485;
Best Local Similarity 47.0%; Pred. No. 3.6e-53;
Matches 103; Conservative 37; Mismatches 78; Indels 1; Gaps 1;

Qy 1 QNRDKRYRDILPYDSTRVPLGKKNKDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
Db 2236 ENRRKNRYKNILPYDATRVPLGDEGGYINASFIKIPVKEEFVYIACQGPLTTVGDFWQ 2295

Qy 61 MVLNNCNVIAITREIECGVIKCYSWPISL-KEPLEFEHFSVLETFHTVYTVRVF 119
Db 2296 MIWEQKSTVIAMTQVEGEKIKQRYWPNILGKTTMVSNRLRLALVRMQLKGFVVVRAM 2355

Qy 120 QIVKSTGKSCQVHLQFTKWPDHGTPASADFFIKYRYVRKSHITGPLLHVCAGVGR 179
Db 2356 TLEDIOTREVRHISHLNFTAMPDHDTPSQDDLLTFISYMRHHRSGPIITHCSAGIGRS 2415

Qy 180 GVFCVDVWFSAEIKNSYFDIMNIVTOMRKQRCMIQTK 218
Db 2416 GTLICIDVVLGLISQDLDFDISLVRMRLQRHGWQTE 2454

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RESULT 7
US-09-665-615B-46
; Sequence 46, Application US/09665615B
; Patent No. 665133
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcussen, Eric G.
; APPLICANT: Wyatt, Jacqueline
; TITLE OF INVENTION: Antisense Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-0502
; CURRENT APPLICATION NUMBER: US/09/665,615B
; CURRENT FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 09/290,640
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 179
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 46
; LENGTH: 2485
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-665-615B-46

Query Match 46.1%; Score 541.5; DB 4; Length 2485;
Best Local Similarity 47.0%; Pred. No. 3.6e-53;
Matches 103; Conservative 37; Mismatches 78; Indels 1; Gaps 1;

QY 1 QNRDKNRYRDLIPYDSTRVPLGKKNKDYINASYI-----RIVNHEEYFYIATQGPLPE 60
DB 2236 ENRRNRYNLLPYDSTRVPLGKKNKDYINASYI-----RIVNHEEYFYIATQGPLPE 60
QY 61 MVLNNCNVIAITREIECGVVKCYWPISL-KEPLEFEHFSVLETFHTVFTVRF 119
DB 2296 MIWEQSTVIAMTQVEGEKIKORYWPNILKTTWVSNELRLALVRMQLKGFVRAM 2355
QY 120 QIVKSTGKSCQVHLQFTKWDHGTASADFFIKYVYVRKSHITGELLVHCSAGVGT 179
DB 2356 TLEDIQTREVHSHLNTAWPDHDTSPQDDLLTFISYMRHRSRGPITHTCSAGIGRS 2415
QY 180 GVFIQVDVVFSAIEKNSFDMINVTOMRKQRCGMIOK 218
DB 2416 GTLICIDVVLISQDLDFDISDLVRLQRHGMVQTE 2454

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RESULT 8
US-09-848-294-2
; Sequence 2, Application US/09848294
; Patent No. 6479640
; GENERAL INFORMATION:
; APPLICANT: Tonks, Nicholas K.
; TITLE OF INVENTION: Isolation of A cDNA Encoding A No. 6479640el
; TITLE OF INVENTION: Protein Tyrosine Phosphatase Which Localizes to Focal
; TITLE OF INVENTION: Adhesions and Uses Therefor
; FILE REFERENCE: CSHL90-04FZA
; CURRENT APPLICATION NUMBER: US/09/848,294
; CURRENT FILING DATE: 2001-05-03
; PRIOR APPLICATION NUMBER: 09/235,251
; PRIOR FILING DATE: 1999-01-22
; PRIOR APPLICATION NUMBER: 08/759,536
; PRIOR FILING DATE: 1996-12-04
; PRIOR APPLICATION NUMBER: 08/107,420
; PRIOR FILING DATE: 1993-08-16
; PRIOR APPLICATION NUMBER: 07/663,579
; PRIOR FILING DATE: 1991-03-01
; PRIOR APPLICATION NUMBER: 07/494,036
; PRIOR FILING DATE: 1990-03-14
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 913
; TYPE: PRT
; ORGANISM: Homosapiens
US-09-848-294-2

```

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Query Match 39.8%; Score 467; DB 4; Length 913;
Best Local Similarity 42.3%; Pred. No. 4e-45;
Matches 96; Conservative 35; Mismatches 78; Indels 18; Gaps 5;

QY 1 QNRDKNRYRDLIPYDSTRVPLGKKNKDYINASYI-----RIVNHEEYFYIATQGPLPE 53
DB 669 QNLDKNRYKDVLPYDSTRVPLGKKNKDYINASYI-----RIVNHEEYFYIATQGPLPH 723
QY 54 TIEDFWQVLENNCNVIAITREIECGVVKCYWPISLKEPLEFEH--FSVLETFHTV 111
DB 724 TCAQFQVQVWDQKLSLIVMLTTLTGRTRKCHOYWP---DPPDVMMHGGFHIQCSBDCT 780
QY 112 QYFTVRVQIVKSTGKSCQVHLQFTKWDHGTASADFFIKYVYVRKSHI-TGELLV 170
DB 781 IAYVSREMLVTNTQTGEEHTVTHLQYVAVPDHGPDDSSDFLEFVNVYVSLRVDSEVLV 840
QY 171 HCSAGVGTGVFIQVDVVFSAIEKNSFDMINVTOMRKQRCGMIOK 217
DB 841 HCSAGIGRTGVLTMTMETAMCLTERNLPIYPLDIVRKRDQRAMVQT 887

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RESULT 9
US-08-201-697-16
; Sequence 16, Application US/08201697
; Patent No. 5705623
; GENERAL INFORMATION:
; APPLICANT: Wiggins, Roger C.
; APPLICANT: Thomas, Peedkayil B.
; TITLE OF INVENTION: Mammalian Glomerular Epithelial Protein
; TITLE OF INVENTION: 1
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/201,697
; FILING DATE: 25-FEB-1994
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-UM 9783
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 278 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-201-697-16

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Query Match 39.4%; Score 462.5; DB 1; Length 278;
Best Local Similarity 43.0%; Pred. No. 2.5e-45;
Matches 98; Conservative 38; Mismatches 79; Indels 13; Gaps 5;

QY 1 QNRDKNRYRDLIPYDSTRVPLGK-----NKDYINASYIIRVNHHEEYFYIATQGPLPETI 55
DB 45 ENRGKRYNNILPYDATRVKLSNVDDDDPCSDYINASYIPGNFRRE--YIVTQGPLPGTK 102
QY 56 EDFQWQVLENNCNVIAITREIECGVVKCYWPISLKEPLEFEHFSVLETFHTVQYFT 115
DB 103 DDFWQWQVLENNCNVIAITREIECGVVKCYWPISLKEPLEFEHFSVLETFHTVQYFT 161

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Db          ||||| : :: |:: :|| :|| |:||  
           173 CSAGIGRGVLVTMETANCLTERNLPIYPLDIVRRQRQAMVQT 218  
  
RESULT 11  
US-09-848-294-7  
Sequence 7 Application US/09848294
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```

; APPLICANT: Tonks, Nicholas K.
; TITLE OF INVENTION: Isolation of A cDNA Encoding A No. 6479640el
; TITLE OF INVENTION: Protein Tyrosine Phosphatase Which Localizes to Focal
; TITLE OF INVENTION: Adhesions and Uses Therefor
; FILE REFERENCE: CSHL90-04PZA
; CURRENT APPLICATION NUMBER: US/09/848,294
; CURRENT FILING DATE: 2001-05-03
; PRIOR APPLICATION NUMBER: 09/235,251
; PRIOR FILING DATE: 1999-01-22
; PRIOR APPLICATION NUMBER: 08/759,536
; PRIOR FILING DATE: 1996-12-04
; PRIOR APPLICATION NUMBER: 08/107,420
; PRIOR FILING DATE: 1993-08-16
; PRIOR APPLICATION NUMBER: 07/663,579
; PRIOR FILING DATE: 1991-03-01
; PRIOR APPLICATION NUMBER: 07/494,036
; PRIOR FILING DATE: 1990-03-14
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 244
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-848-294-7

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US-08-685-992-21
; Sequence 21, Application US/08685992
; Patent No. 5912138
; GENERAL INFORMATION:
; APPLICANT: Tonks, Nicholas
; APPLICANT: Flint, Andrew J.
; TITLE OF INVENTION: SUBSTRATE TRAPPING PROTEIN
; TITLE OF INVENTION: TYROSINE PHOSPHATASES
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESS: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:

```

```

; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/685,992
; FILING DATE: 25-JUL-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: CSHL96-03
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 781-861-6240
; TELEFAX: 781-861-9540
; TELEX:
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 242 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-685-992-21

Query Match      38.8%; Score 456; DB 2; Length 242;
Best Local Similarity 41.7%; Pred. No. 1.2e-44;
Matches 96; Conservative 35; Mismatches 73; Indels 26; Gaps 7;

Qy 1 QNRDKNRYRDLIPYDSTRVPLGKNDYINASYI-----RIVNHEEYFYIATQGPLPE 53
Db 11 QNLDKNRYKDVLPDYDTRVLQGNEDYINASYVNMETPAANLVK-----YIATQGPLPH 65
Qy 54 TIEDFWQVLENNCNVAMITREIECGVIKCYSWPISLKEPLFEHFSVLETFHV--- 110
Db 66 TCAQFQVQVMDQKLSLIVMLTTLTERGRYKCHQYWP---DPPDVNHHG-----FHIQCC 117
Qy 111 TQYFTRVRFQ--IVKSTGKSCQVKHLOFTWPDHGTGPASADFFIKYRVYRKSHI-TGP 167
Db 118 SEDCTIATVSMVLTNTQTGEEHTVTHLQYVAMPDHGIPDDSSDFLEFVNVYRSLRVDSEP 177
Qy 168 LLVHCSAGVGRGTVFCVDVVFSAIEKNYSFDIMNIVTQMKQKCGMIQT 217
Db 178 VLVHCSAGIGRTGLVITMETAMCLTERNLPIYPLDIVRKRDQRAMVQT 227

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RESULT 13
US-09-144-925-21
; Sequence 21, Application US/09144925
; Patent No. 5951979
; GENERAL INFORMATION:
; APPLICANT: Tonks, Nicholas
; APPLICANT: Flint, Andrew J.
; TITLE OF INVENTION: SUBSTRATE TRAPPING PROTEIN
; TITLE OF INVENTION: TYROSINE PHOSPHATASES
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02421-4799
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/144,925

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; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/685,992
; FILING DATE: July 25, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: CSHL96-032
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 781-861-6240
; TELEFAX: 781-861-9540
; TELEX:
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 242 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-144-925-21

Query Match      38.8%; Score 456; DB 2; Length 242;
Best Local Similarity 41.7%; Pred. No. 1.2e-44;
Matches 96; Conservative 35; Mismatches 73; Indels 26; Gaps 7;

Qy 1 QNRDKNRYRDLIPYDSTRVPLGKNDYINASYI-----RIVNHEEYFYIATQGPLPE 53
Db 11 QNLDKNRYKDVLPDYDTRVLQGNEDYINASYVNMETPAANLVK-----YIATQGPLPH 65
Qy 54 TIEDFWQVLENNCNVAMITREIECGVIKCYSWPISLKEPLFEHFSVLETFHV--- 110
Db 66 TCAQFQVQVMDQKLSLIVMLTTLTERGRYKCHQYWP---DPPDVNHHG-----FHIQCC 117
Qy 111 TQYFTRVRFQ--IVKSTGKSCQVKHLOFTWPDHGTGPASADFFIKYRVYRKSHI-TGP 167
Db 118 SEDCTIATVSMVLTNTQTGEEHTVTHLQYVAMPDHGIPDDSSDFLEFVNVYRSLRVDSEP 177
Qy 168 LLVHCSAGVGRGTVFCVDVVFSAIEKNYSFDIMNIVTQMKQKCGMIQT 217
Db 178 VLVHCSAGIGRTGLVITMETAMCLTERNLPIYPLDIVRKRDQRAMVQT 227

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RESULT 14
US-09-949-016-8049
; Sequence 8049, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8049
; LENGTH: 1903
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8049

Query Match      37.9%; Score 445.5; DB 4; Length 1903;
Best Local Similarity 41.7%; Pred. No. 3.5e-42;
Matches 95; Conservative 38; Mismatches 82; Indels 13; Gaps 5;

Qy 1 QNRDKNRYRDLIPYDSTRVPLGK-----NKQYINASYIRIVNHEEYFYIATQGPLPETI 55

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Db 1632 ENRGKRYNNILPYDQATKLSNVDDDDPCSDYINASYIPGNNFRRE--YIVTQGLPGTK 1689
Qy 56 EDFQWVLNCCNVIAMITREIECGVIKCYSPISLKEPFEHFSVPLETFHTVQYFT 115
Db 1690 DDFKMWVEQNVHNVMTQCVKGRVKCDHYWAD-QDSLYYGDLLQLMLSESVLPWT 1748
Qy 116 VRVPOIV-KKSTGKQCCKHLOFTKWDHGTSPASADFFIKYVR----YVRKSHITGPLL 170
Db 1749 IREFKICGEEQLDAHLIRHFHYTWPDHGVPEFTTQSLIQFVRTVRYINRSPGAGPTV 1808
Qy 171 HCSAGVGRGTGVFCVDVVFSAIEKNYSFDIMNIYTMQRKORCGMIOTK 218
Db 1809 HCSAGVGRGTGFIALDRILQOLDKSDVSDIYGAVHDLRLHRVHMVQTE 1856

RESULT 15
US-09-949-016-6275
; Sequence 6275, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6275
; LENGTH: 1997
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-6275

Query Match 37.9%; Score 445.5; DB 4; Length 1997;
Best Local Similarity 41.7%; Pred. No. 3.8e-42;
Matches 95; Conservative 38; Mismatches 82; Indels 13; Gaps 5;

Qy 1 QNRDKRYRDLIPYDSTRVPLGK-----NKDYINASYIRIVNHEEYFYIATQGLPETI 55
Db 1726 ENRGKRYNNILPYDQATKLSNVDDDDPCSDYINASYIPGNNFRRE--YIVTQGLPGTK 1783
Qy 56 EDFQWVLNCCNVIAMITREIECGVIKCYSPISLKEPFEHFSVPLETFHTVQYFT 115
Db 1784 DDFKMWVEQNVHNVMTQCVKGRVKCDHYWAD-QDSLYYGDLLQLMLSESVLPWT 1842
Qy 116 VRVPOIV-KKSTGKQCCKHLOFTKWDHGTSPASADFFIKYVR----YVRKSHITGPLL 170
Db 1843 IREFKICGEEQLDAHLIRHFHYTWPDHGVPEFTTQSLIQFVRTVRYINRSPGAGPTV 1902
Qy 171 HCSAGVGRGTGVFCVDVVFSAIEKNYSFDIMNIYTMQRKORCGMIOTK 218
Db 1903 HCSAGVGRGTGFIALDRILQOLDKSDVSDIYGAVHDLRLHRVHMVQTE 1950
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Search completed: April 6, 2005, 15:45:03
Job time : 25.8596 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 6, 2005, 15:38:11 ; Search time 74.2602 Seconds
(without alignments)
974.619 Million cell updates/sec

Title: US-09-095-478A-7_COPY_188_405

Perfect score: 1174
Sequence: 1 ONRDKNRYRDLPLDYSTRVP.....DIMNIVTQMRKQRCGMIOQTK 218

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1418010 seqs, 33197259 residues

Total number of hits satisfying chosen parameters: 1418010

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
- 19: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1174	100.0	354	10	US-09-095-478-6
2	1174	100.0	379	10	US-09-095-478-8
3	1174	100.0	412	10	US-09-095-478-3
4	1174	100.0	425	10	US-09-095-478-1
5	1174	100.0	463	10	US-09-095-478-2
6	936	79.7	420	15	US-10-311-764-4
7	668	56.9	122	10	US-09-095-478-4
8	566	48.2	122	10	US-09-095-478-5
9	550.5	46.9	381	10	US-09-095-478-7
10	541.5	46.1	358	10	US-09-095-478-9
11	541.5	46.1	1267	14	US-10-060-065-35
12	541.5	46.1	1267	14	US-10-059-585-56
13	541.5	46.1	2466	14	US-10-177-980-12

14	541.5	46.1	2485	9	US-09-802-669-46
15	541.5	46.1	2485	15	US-10-619-220-46
16	541.5	46.1	2485	16	US-10-408-765A-1349
17	524	44.6	263	15	US-10-087-684-93
18	524	44.6	263	15	US-10-218-779-93
19	499	42.5	235	15	US-10-087-684-94
20	499	42.5	235	15	US-10-218-779-94
21	499	42.5	235	15	US-10-072-012-819
22	467	39.8	703	15	US-10-366-547-40
23	467	39.8	913	9	US-09-848-294-2
24	467	39.8	913	14	US-10-293-231-2
25	467	39.8	913	15	US-10-366-547-38
26	462	39.4	244	9	US-09-848-294-7
27	462	39.4	244	14	US-10-293-231-7
28	456	38.8	291	9	US-09-788-626-22
29	445.5	37.9	312	15	US-10-634-027-6
30	445.5	37.9	319	15	US-10-634-027-7
31	445.5	37.9	336	15	US-10-634-027-4
32	445.5	37.9	1450	16	US-10-497-692-14
33	445.5	37.9	1997	10	US-09-909-567B-54
34	445.5	37.9	1997	15	US-10-634-027-2
35	445.5	37.9	1997	16	US-10-408-765A-2135
36	445.5	37.9	1997	16	US-10-497-692-4
37	444.5	37.9	926	17	US-10-772-636-40
38	444	37.8	341	16	US-10-723-606-3
39	444	37.8	1337	14	US-10-390-501-2
40	444	37.8	1337	15	US-10-366-547-42
41	444	37.8	1337	15	US-10-366-547-44
42	444	37.8	1337	16	US-10-723-606-2
43	442.5	37.7	264	14	US-10-245-539-6
44	437.5	37.3	1948	9	US-09-808-602-55
45	437.5	37.3	1948	10	US-09-800-198-45

ALIGNMENTS

RESULT 1

US-09-095-478-6
; Sequence 6, Application US/09095478
; Publication No. US20030095970A1
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; TITLE OF INVENTION: NOVEL PROTEIN TYROSINE
; TITLE OF INVENTION: PHOSPHATASE SUPT05 AND
; TITLE OF INVENTION: RELATED PRODUCTS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FASTSEQ for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/095,478
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 224/115

TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 354 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Peptide
US-09-095-478-6

Query Match 100.0%; Score 1174; DB 10; Length 354;
Best Local Similarity 100.0%; Pred. No. 2.2e-119;
Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 QNRDKNRYRDLIPYDSTRVPLGKNDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
DB 118 QNRDKNRYRDLIPYDSTRVPLGKNDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 177
QY 61 MVLNNCNVIAITREIECGVIKCYSWPISLKEPLEFHFVSVELETFHVTQYFTRVFP 120
DB 178 MVLNNCNVIAITREIECGVIKCYSWPISLKEPLEFHFVSVELETFHVTQYFTRVFP 237
QY 121 IVKSTGSKQCVKHLQFTKWDHGTDPASADFFIKYVRYVRKSHITGTLVHCSAGVGRGT 180
DB 238 IVKSTGSKQCVKHLQFTKWDHGTDPASADFFIKYVRYVRKSHITGTLVHCSAGVGRGT 297
QY 181 VFCVDVVFSAIEKNYSFDMNIIVTQMKRCQCGMIQTK 218
DB 298 VFCVDVVFSAIEKNYSFDMNIIVTQMKRCQCGMIQTK 335

RESULT 2

US-09-095-478-8
Sequence 8, Application US/09095478
Publication No. US20030095970A1
GENERAL INFORMATION:
APPLICANT: Plowman, Gregory
TITLE OF INVENTION: NOVEL PROTEIN TYROSINE
TITLE OF INVENTION: PHOSPHATASE SUPT05 AND
TITLE OF INVENTION: RELATED PRODUCTS AND
TITLE OF INVENTION: METHODS
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Suite 4700
STATE: Los Angeles
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FASTSEQ for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/095,478
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 224/115
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440

TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 379 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Peptide
US-09-095-478-8

Query Match 100.0%; Score 1174; DB 10; Length 379;
Best Local Similarity 100.0%; Pred. No. 2.4e-119;
Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 QNRDKNRYRDLIPYDSTRVPLGKNDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
DB 143 QNRDKNRYRDLIPYDSTRVPLGKNDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 202
QY 61 MVLNNCNVIAITREIECGVIKCYSWPISLKEPLEFHFVSVELETFHVTQYFTRVFP 120
DB 203 MVLNNCNVIAITREIECGVIKCYSWPISLKEPLEFHFVSVELETFHVTQYFTRVFP 262
QY 121 IVKSTGSKQCVKHLQFTKWDHGTDPASADFFIKYVRYVRKSHITGTLVHCSAGVGRGT 180
DB 263 IVKSTGSKQCVKHLQFTKWDHGTDPASADFFIKYVRYVRKSHITGTLVHCSAGVGRGT 322
QY 181 VFCVDVVFSAIEKNYSFDMNIIVTQMKRCQCGMIQTK 218
DB 323 VFCVDVVFSAIEKNYSFDMNIIVTQMKRCQCGMIQTK 360

RESULT 3

US-09-095-478-3
Sequence 3, Application US/09095478
Publication No. US20030095970A1
GENERAL INFORMATION:
APPLICANT: Plowman, Gregory
TITLE OF INVENTION: NOVEL PROTEIN TYROSINE
TITLE OF INVENTION: PHOSPHATASE SUPT05 AND
TITLE OF INVENTION: RELATED PRODUCTS AND
TITLE OF INVENTION: METHODS
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Suite 4700
STATE: Los Angeles
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FASTSEQ for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/095,478
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 224/115
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:

```
;
; LENGTH: 412 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
US-09-095-478-3

Query Match      100.0%; Score 1174; DB 10; Length 412;
Best Local Similarity 100.0%; Pred. No. 2.6e-119;
Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QNRDKNRYRDLIPYDSTRVPLGKNKDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
   |||||||
Db 188 QNRDKNRYRDLIPYDSTRVPLGKNKDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 247
   |||||||

QY 61 MVLNNCNVIMITREIECGVIKCSYWPISLKEPLFEHFSVLETHVTVQYFTVRVFQ 120
   |||||||
Db 248 MVLNNCNVIMITREIECGVIKCSYWPISLKEPLFEHFSVLETHVTVQYFTVRVFQ 307
   |||||||

QY 121 IVKSTGSKQCVKHLQFTKWDHGTTPASADFFIKYRVYVRKSHITGPLLHCSAGVGRGTG 180
   |||||||
Db 308 IVKSTGSKQCVKHLQFTKWDHGTTPASADFFIKYRVYVRKSHITGPLLHCSAGVGRGTG 367
   |||||||

QY 181 VFCVDVVVFSALFKNYSFDIMNIVTQMRKQRCGMIQTK 218
   |||||||
Db 368 VFCVDVVVFSALFKNYSFDIMNIVTQMRKQRCGMIQTK 405
   |||||||

RESULT 4
US-09-095-478-1
; Sequence 1, Application US/09095478
; Publication No. US20030095970A1
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; TITLE OF INVENTION: NOVEL PROTEIN TYROSINE
; TITLE OF INVENTION: PHOSPHATASE SUPTP05 AND
; TITLE OF INVENTION: RELATED PRODUCTS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSEQ for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/095,478
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 224/115
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 426 amino acids
; TYPE: amino acid
; STRANDEDNESS: single

;
; LENGTH: 412 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
US-09-095-478-1

Query Match      100.0%; Score 1174; DB 10; Length 426;
Best Local Similarity 100.0%; Pred. No. 2.8e-119;
Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QNRDKNRYRDLIPYDSTRVPLGKNKDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
   |||||||
Db 188 QNRDKNRYRDLIPYDSTRVPLGKNKDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 247
   |||||||

QY 61 MVLNNCNVIMITREIECGVIKCSYWPISLKEPLFEHFSVLETHVTVQYFTVRVFQ 120
   |||||||
Db 248 MVLNNCNVIMITREIECGVIKCSYWPISLKEPLFEHFSVLETHVTVQYFTVRVFQ 307
   |||||||

QY 121 IVKSTGSKQCVKHLQFTKWDHGTTPASADFFIKYRVYVRKSHITGPLLHCSAGVGRGTG 180
   |||||||
Db 308 IVKSTGSKQCVKHLQFTKWDHGTTPASADFFIKYRVYVRKSHITGPLLHCSAGVGRGTG 367
   |||||||

QY 181 VFCVDVVVFSALFKNYSFDIMNIVTQMRKQRCGMIQTK 218
   |||||||
Db 368 VFCVDVVVFSALFKNYSFDIMNIVTQMRKQRCGMIQTK 405
   |||||||

RESULT 5
US-09-095-478-2
; Sequence 2, Application US/09095478
; Publication No. US20030095970A1
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; TITLE OF INVENTION: NOVEL PROTEIN TYROSINE
; TITLE OF INVENTION: PHOSPHATASE SUPTP05 AND
; TITLE OF INVENTION: RELATED PRODUCTS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSEQ for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/095,478
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 224/115
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 463 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
US-09-095-478-2
```

Query Match 100.0%; Score 1174; DB 10; Length 463;
Best Local Similarity 100.0%; Pred. No. 3.1e-119;
Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QNRDKRYRDLIPYDSTRVPLGKNDYINASYIRIVNHEEYFYIATOGPLPETIEDFWQ 60
DB 225 QNRDKRYRDLIPYDSTRVPLGKNDYINASYIRIVNHEEYFYIATOGPLPETIEDFWQ 284
QY 61 MVLNNCNVIAITREIECGVICKSVYWPISIKBPLEPEHFSVLETHFHTVQYFTVRVFO 120
DB 285 MVLNNCNVIAITREIECGVICKSVYWPISIKBPLEPEHFSVLETHFHTVQYFTVRVFO 344
QY 121 IVKSTGKSQCXGHLQFTKWDHGTTPASADFFIKYRVYRKSHITGPLLHCHSAGVGRGTG 180
DB 345 IVKSTGKSQCXGHLQFTKWDHGTTPASADFFIKYRVYRKSHITGPLLHCHSAGVGRGTG 404
QY 181 VFICVDVVFAIEKNYSPIIMNIVTQMRKQRCGMIQTK 218
DB 405 VFICVDVVFAIEKNYSPIIMNIVTQMRKQRCGMIQTK 442

RESULT 6

US-10-311-764-4
; Sequence 4, Application US/10311764
; Publication No. US20040023245A1
; GENERAL INFORMATION:

; APPLICANT: INCYTE GENOMICS, INC.; AU-YOUNG, Janice K.
; APPLICANT: BAUGHN, Maria R.; DING, Li
; APPLICANT: ELLIOTT, Vicki S.; GANDHI, Ameena R.
; APPLICANT: GRIFFIN, Jennifer A.; HAFALIA, April J.A.
; APPLICANT: KEARNEY, Liam; LEE, Ernestine A.
; APPLICANT: LU, Yan; NGUYEN, Daniel B.
; APPLICANT: ARVIZU, Chandra S.; RAMKUMAR, Javalaxmi
; APPLICANT: REDDY, Roopa M.; SANANWALA, Madhusudan M.
; APPLICANT: STEWART, Elizabeth A.; TANG, Y. Tom
; APPLICANT: THORNTON, Michael B.; TRIBOULEY, Catherine M.
; APPLICANT: CHAWLA, Narinder K.; YANG, Junming
; APPLICANT: YAO, Monique G.; YUE, Henry

; TITLE OF INVENTION: PROTEIN PHOSPHATASES

; CURRENT APPLICATION NUMBER: US/10/311,764

; CURRENT FILING DATE: 2002-12-16

; PRIOR APPLICATION NUMBER: PCT/US01/19442

; PRIOR FILING DATE: 2001-06-14

; PRIOR APPLICATION NUMBER: US 60/212,447

; PRIOR FILING DATE: 2000-06-16

; PRIOR APPLICATION NUMBER: US 60/213,746

; PRIOR FILING DATE: 2000-06-22

; PRIOR APPLICATION NUMBER: US 60/215,210

; PRIOR FILING DATE: 2000-06-29

; PRIOR APPLICATION NUMBER: US 60/216,529

; PRIOR FILING DATE: 2000-07-06

; PRIOR APPLICATION NUMBER: US 60/218,080

; PRIOR FILING DATE: 2000-07-12

; PRIOR APPLICATION NUMBER: US 60/220,117

; PRIOR FILING DATE: 2000-07-21

; NUMBER OF SEQ ID NOS: 18

; SOFTWARE: PERL Program

; SEQ ID NO 4

; LENGTH: 420

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc feature

; OTHER INFORMATION: Incyte ID No. US20040023245A1 7476861CD1

US-10-311-764-4

Query Match 79.7%; Score 936; DB 15; Length 420;
Best Local Similarity 78.8%; Pred. No. 2.7e-93;
Matches 171; Conservative 22; Mismatches 24; Indels 0; Gaps 0;

QY 2 NRDKRYRDLIPYDSTRVPLGKNDYINASYIRIVNHEEYFYIATOGPLPETIEDFWQ 61

DB 183 NREKNRYRDLIPYDSTRVPLGKNDYINASYIRIVNHEEYFYIATOGPLPETIEDFWQ 242
QY 62 VLENNCNVIAITREIECGVICKSVYWPISIKBPLEPEHFSVLETHFHTVQYFTVRVFO 121
DB 243 VLENNCNVIAITREIEGGIICKYHYWPIISLKBPLEPEHFSVLETHFHTVQYFTVRVFO 302
QY 122 VKSTGKSQCXGHLQFTKWDHGTTPASADFFIKYRVYRKSHITGPLLHCHSAGVGRGTG 181
DB 303 VERKSTGSHSVKQLQFTKWDHGTTPASADFFIKYRVYRKSHITGPLLHCHSAGVGRGTG 362
QY 182 FICVDVVFAIEKNYSPIIMNIVTQMRKQRCGMIQTK 218
DB 363 FLCVDVVFAIEKNYSPIIMNIVTQMRKQRCGMIQTK 399

RESULT 7

US-09-095-478-4
; Sequence 4, Application US/09095478
; Publication No. US20030095970A1
; GENERAL INFORMATION:

; APPLICANT: Plowman, Gregory

; TITLE OF INVENTION: NOVEL PROTEIN TYROSINE

; TITLE OF INVENTION: PHOSPHATASE SUPT05 AND

; TITLE OF INVENTION: RELATED PRODUCTS AND

; TITLE OF INVENTION: METHODS

; NUMBER OF SEQUENCES: 25

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Lyon & Lyon

; STREET: 633 West Fifth Street

; CITY: Suite 4700

; STATE: Los Angeles

; COUNTRY: California

; ZIP: U.S.A.

; ZIP: 90071-2066

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

; MEDIUM TYPE: storage

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: IBM P.C. DOS 5.0

; SOFTWARE: FastSeq for Windows 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/095,478

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Warburg, Richard J.

; REGISTRATION NUMBER: 32,327

; REFERENCE/DOCKET NUMBER: 224/115

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (213) 489-1600

; TELEFAX: (213) 955-0440

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 122 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: Peptide

US-09-095-478-4

Query Match 56.9%; Score 668; DB 10; Length 122;
Best Local Similarity 100.0%; Pred. No. 9.7e-65;
Matches 122; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 57 DFQWVLENNCNVIAITREIECGVICKSVYWPISIKBPLEPEHFSVLETHFHTVQYFTV 116
DB 1 DFQWVLENNCNVIAITREIECGVICKSVYWPISIKBPLEPEHFSVLETHFHTVQYFTV 60

QY 117 RVFQIVKSTGKSCQVKKHLOFTKWPDHGTPASADFFIKYVYVRKSHITGPLLHVCASGV 176
 Db 61 RVFQIVKSTGKSCQVKKHLOFTKWPDHGTPASADFFIKYVYVRKSHITGPLLHVCASGV 120
 QY 177 GR 178
 Db 121 GR 122

RESULT 8
 US-09-095-478-5
 ; Sequence 5, Application US/09095478
 ; Publication No. US2003095970A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Plowman, Gregory
 ; TITLE OF INVENTION: NOVEL PROTEIN TYROSINE
 ; TITLE OF INVENTION: PHOSPHATASE SUPTP05 AND
 ; TITLE OF INVENTION: RELATED PRODUCTS AND
 ; TITLE OF INVENTION: METHODS
 ; NUMBER OF SEQUENCES: 25
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Lyon & Lyon
 ; STREET: 633 West Fifth Street
 ; CITY: Los Angeles
 ; STATE: California
 ; COUNTRY: U.S.A.
 ; ZIP: 90071-2066
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 ; MEDIUM TYPE: storage
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: IBM P.C. DOS 5.0
 ; SOFTWARE: FastSEQ for Windows 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/095,478
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER:
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Warburg, Richard J.
 ; REGISTRATION NUMBER: 32,327
 ; REFERENCE/DOCKET NUMBER: 224/115
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (213) 489-1600
 ; TELEFAX: (213) 955-0440
 ; TELEX: 67-3510
 ; INFORMATION FOR SEQ ID NO: 5:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 122 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: Peptide
 ; US-09-095-478-5

Query Match 48.2%; Score 566; DB 10; Length 122;
 Best Local Similarity 83.6%; Pred. No. 1.3e-53;
 Matches 102; Conservative 7; Mismatches 13; Indels 0; Gaps 0;
 QY 57 DFWGMVLENNCNVIAITREIECGVIKCYSWPISLKEPFEHFSVPLETFHVTQYFTV 116
 Db 1 DFWGMVLENNCNVIAITREIECGVIKCYSWPISLKEPFEHFSVPLETFHVTQYFTV 60
 QY 117 RVFQIVKSTGKSCQVKKHLOFTKWPDHGTPASADFFIKYVYVRKSHITGPLLHVCASGV 176
 Db 61 RVFQIVKSTGKSCQVKKHLOFTKWPDHGTPASADFFIKYVYVRKSHITGPLLHVCASGV 120
 QY 177 GR 178
 Db 121 GR 122

RESULT 9
 US-09-095-478-7
 ; Sequence 7, Application US/09095478
 ; Publication No. US2003095970A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Plowman, Gregory
 ; TITLE OF INVENTION: NOVEL PROTEIN TYROSINE
 ; TITLE OF INVENTION: PHOSPHATASE SUPTP05 AND
 ; TITLE OF INVENTION: RELATED PRODUCTS AND
 ; TITLE OF INVENTION: METHODS
 ; NUMBER OF SEQUENCES: 25
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Lyon & Lyon
 ; STREET: 633 West Fifth Street
 ; CITY: Los Angeles
 ; STATE: California
 ; COUNTRY: U.S.A.
 ; ZIP: 90071-2066
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 ; MEDIUM TYPE: storage
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: IBM P.C. DOS 5.0
 ; SOFTWARE: FastSEQ for Windows 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/095,478
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER:
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Warburg, Richard J.
 ; REGISTRATION NUMBER: 32,327
 ; REFERENCE/DOCKET NUMBER: 224/115
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (213) 489-1600
 ; TELEFAX: (213) 955-0440
 ; TELEX: 67-3510
 ; INFORMATION FOR SEQ ID NO: 7:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 381 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: Peptide
 ; US-09-095-478-7

Query Match 46.9%; Score 550.5; DB 10; Length 381;
 Best Local Similarity 49.5%; Pred. No. 2.9e-51;
 Matches 110; Conservative 34; Mismatches 71; Indels 7; Gaps 3;
 QY 1 QNRDKNRYRDLPYDSTRVPLGKKNKOYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
 Db 144 ENRRKNRYKNILPYDTTRVPLGDEGGYINASFIRIPVGTQEFVYIACQGPLTTVGDFWQ 203
 QY 61 MVLENNCNVIAITREIECGVIKCYSWPISL-KEPFEHFSVPLETFHVTQYFTVRFV 119
 Db 204 MVWEQNSTVIAMTQEVGEKIKCQRYWPSILGTTTANERLRLALLRMOQLKGFIVRVM 263
 QY 120 QIVKSTGKSCQVKKHLOFTKWPDHGTPASAD---FFIKYVYVRKSHITGPLLHVCASGV 176
 Db 264 ALEDIQGEVHRHSHLNFATWPDHDTESQPDLLTFISYMRHRRS---GPVITHCSAGI 320
 QY 177 GRTGVFICVDVWFSFAIEKNYSFDIMNIVTQMRKQRCGMIOTK 218
 Db 321 GRSGLTICIDVWGLISQDLEFDISDLVRCWRLQRHGMVQTE 362

RESULT 10

RESULT 11

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; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 12
; LENGTH: 2466
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-177-980-12

Query Match 46.1%; Score 541.5; DB 14; Length 2466;
Best Local Similarity 47.0%; Pred. No. 3.2e-49;
Matches 103; Conservative 37; Mismatches 78; Indels 1; Gaps 1;

Qy 1 QNRDKRYRDLPYDSTRVPLGKNKDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
Db ENNRKRYKNILPYDATRVPLGDEGGYINASFYIPVKGEEFYIACQGPLPTTVGDFWQ 2276
Qy 61 MVLNNCNVIAMITRIEIGCVIKCYSYWISL-KEPLEFEHSPVLETHVTVQYFVRVF 119
Db MIWEQKSTVIAMTQVEGEKICQRYWPNILGKTTMWSNRLRALVRMQLKGFVVRAM 2336
Qy 120 QIVKKSQSGCKVHLQFTKPDHGTGPASADPFYKVRVYRKSHITGPLLVHCSAGVGR 179
Db TLEDIQTRVHRHSHLNTAWPDHDTPSQDDLLTFISYRWHIRSGPIIHCASAGIGRS 2396
Qy 180 GVFCVDVVFSAIEKNYSFDIMNIVTQMRKQRCGMITQK 218
Db GTLICIDVVLGLISODLDFDISDLVRCMLQRHGMVQTE 2435

RESULT 14
US-09-802-669-46
; Sequence 46, Application US/09802669
; Patent No. US20020004490A1
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcussen, Eric G.
; APPLICANT: Wyatt, Jacqueline
; APPLICANT: Zhang, Hong
; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-545
; CURRENT APPLICATION NUMBER: US/09/802,669
; CURRENT FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: US 09/665,615
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 09/290,640
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 46
; LENGTH: 2485
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-802-669-46

Query Match 46.1%; Score 541.5; DB 9; Length 2485;
Best Local Similarity 47.0%; Pred. No. 3.3e-49;
Matches 103; Conservative 37; Mismatches 78; Indels 1; Gaps 1;

Qy 1 QNRDKRYRDLPYDSTRVPLGKNKDYINASYIRIVNHEEYFYIATQGPLPETIEDFWQ 60
Db ENNRKRYKNILPYDATRVPLGDEGGYINASFYIPVKGEEFYIACQGPLPTTVGDFWQ 2295
Qy 61 MVLNNCNVIAMITRIEIGCVIKCYSYWISL-KEPLEFEHSPVLETHVTVQYFVRVF 119
Db MIWEQKSTVIAMTQVEGEKICQRYWPNILGKTTMWSNRLRALVRMQLKGFVVRAM 2355
Qy 120 QIVKKSQSGCKVHLQFTKPDHGTGPASADPFYKVRVYRKSHITGPLLVHCSAGVGR 179
Db TLEDIQTRVHRHSHLNTAWPDHDTPSQDDLLTFISYRWHIRSGPIIHCASAGIGRS 2415
Qy 180 GVFCVDVVFSAIEKNYSFDIMNIVTQMRKQRCGMITQK 218
Db GTLICIDVVLGLISODLDFDISDLVRCMLQRHGMVOTE 2454

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RESULT 15
US-10-619-220-46
; Sequence 46, Application US/i0619220
; Publication No. US20040033979A1
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcusson, Eric G.
; APPLICANT: Wyatt, Jacqueline
; APPLICANT: Zhang, Hong
; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-545
; CURRENT APPLICATION NUMBER: US/10/619,220
; CURRENT FILING DATE: 2003-07-14
; PRIOR APPLICATION NUMBER: 09/802,669
; PRIOR FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: US 09/665,615
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 09/290,640
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 46
; LENGTH: 2485
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-619-220-46

Query Match      46.1%; Score 541.5; DB 15; Length 2485;
Best Local Similarity 47.0%; Pred. No. 3.3e-49;
Matches 103; Conservative 37; Mismatches 78; Indels 1; Gaps 1;

Qy      1  QNRDKNRYRDLPLVDSTFVPLGKNKVDYNASVIRIVNHEEEFYVIATCGPLPETIEDFWQ 60
Db      2236  ENRRKNRYKNLLPYDATRPVLDGEGYINASFIKIPVGKEEFVYIACQGPLTTVGDFWQ 2295

Qy      61  MVLNNCNVIAMITREIECGVIKCYSYWPISL-KEPLEFEHFSVLETFHVTOYFTVRVF 119
Db      2296  MIWEQKSTVIAMTQEVGEKIKORYWPNILGKTTWVSNELRLALVRMQQLKGFVVVRAM 2355

Qy      120  QIVKSTGKSCVKHLQFTKWPDHGTASADFFIKYVYVRKSHITGPLLVHCSAGVGR 179
Db      2356  TLEDIQTREVRHSHLNFTAWPDHDTSPQDDLLTFISYMRHHRSGPFIITHCSAGIGRS 2415

Qy      180  GVFIQVDVVFSAIEKNYSFDIMNIVTQMRKORCGMIOTK 218
Db      2416  GTLICIDVVLGLISODLDFDISDLVRCMLRQHGAVQTE 2454
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Job time : 75.2602 secs